

LIFE

THE WORLD WE LIVE IN: PART III
THE FACE OF THE LAND

STALIN'S GHASTLY SECRETS: PART II
MURDER BEGETS MASS MURDER



DELICATE ARCH, UTAH,
AND LA SAL MOUNTAINS

20 CENTS

APRIL 13, 1953



1953 Studebaker Commander V-8 Starliner hard-top convertible. White sidewall tires, chrome wheel discs—and glare-reducing tinted glass—optional at extra cost.

Actual color photograph

The new American car with the European look!

It's the breath-taking new 1953 Studebaker!
Excitingly new in continental styling!
Impressively down to earth in price!

THIS dramatic new Studebaker comes to you straight out of the dream book.

It brings you the continental charm of Europe's most distinguished cars. But it's thoroughly American in deep-down comfort and in handling ease.

Long and racy and sparkling with drive appeal, every 1953 Studebaker gleams with an enormous expanse of glass for full vision. Every distinctive

body style is completely and spectacularly new both inside and outside.

All this at a down-to-earth price—with Studebaker low operating cost!

Order your Studebaker now. Get a Champion in the lowest price field or a brilliant-performing Commander V-8.

Motoring's newest, finest Power Steering is available in Studebaker Commanders at moderate extra cost.



It's a startler! It's a Starliner—the new 1953 Studebaker hard-top! Truly a new flight into the future! Less than five feet high!

New 1953 Studebaker



Home of Mr. and Mrs. E. L. Schaible,
Lafayette, Indiana.



Zone Control. With this modern method of temperature control, separate areas of your home are designated as heating zones. Within these zones (floor plan gives a typical example) individual thermostats make it possible to maintain separate temperatures. Zone Control,

the only system that enables you to adjust heating comfort to family living habits, compensates for heating problems caused by picture windows, cold north winds, winter sunshine. Zone Control can be part of the Electronic Moduflow system described below.

How built-in Climate Control adds to the comfort of modern living

New Honeywell control systems automatically maintain the temperature you need

—no matter how changeable the winter weather.



Electronic Moduflow. Key element in this truly revolutionary control system is the Electronic Weathercaster, the thermostat you see above mounted outside the house. In keeping with new discoveries concerning home comfort, Electronic Moduflow automatically raises indoor temperatures when the mercury falls outdoors—to compensate for increased heat loss. And Moduflow, eight times more sensitive than ordinary controls, gives vastly superior comfort.



Clock Thermostat. This automatic device—shown on kitchen wall, upper left above—can be used with Electronic Moduflow, Zone Control, or simply to replace your old thermostat. It turns back the heat at night so you sleep in a healthful, cool house. And it turns up the heat before you wake so your home is warm when you get up. Saves you up to 10% on fuel, too.

Built-in Climate Control was a natural outgrowth of the scientific study of comfort—and the trend to modern houses.

Designers gave you picture windows and "rambler" floor plans to make living freer and more pleasant. This brought forth new problems in comfort control.

These have been solved through the development of more efficient heat distribution systems by the heating industry—and development of new temperature control systems by Honeywell.

To learn how built-in Climate Control can add to the comfort of your home—whether it's modern or traditional in style—see the captions under the pictures.

Honeywell research plays an important role

Years of scientific study have produced the new control systems described on this page. This research continues—and promises much for the future.

If your heating plant is up to date probably all you need to enjoy the benefits of built-in Climate Control is the right Honeywell Temperature Control system.

The man to help you is your local heating dealer.

He's familiar with the newest heating systems and the latest Honeywell control systems such as Electronic Moduflow, Zone Control and automatic clock thermostats. So why don't you look up your heating dealer in the Yellow Pages of your phone book? Or, mail the coupon.

MINNEAPOLIS-HONEYWELL
2849 Fourth Avenue, South, Minneapolis 8, Minnesota

Please send me information about

- ☐ Electronic Moduflow ☐ Zone Control
☐ Honeywell Clock Thermostats
☐ Please send me the name of a nearby heating dealer who handles these products.

Name _____

Address _____

City _____ Zone _____ State _____

MINNEAPOLIS
Honeywell



First in Controls

This One



PF7U-3K0-D055

WALLACE STAINLESS

the tableware that needs no care

*New
Beautiful
Care Free*

— AND NOT EXPENSIVE! —



TRELLIS



FLEETLINE



VOGUE

CITATION



SPOON RACK. Authentic early American reproduction, antique finish, handy storage drawer in base, containing 40 pieces. . . . \$54.95



TUCKAWAY TRAY. Handsome wooden storage tray with fold-under cover, containing 26 pieces. . . . \$38.50



CURRIER & IVES SERV-A-TRAY. Double-duty wood tray with lift-out flatware holder, containing 34 pieces. \$49.50



TUCKAWAY TRAY. Leatherette covered chest with fold-under cover, containing 52 pieces. . . . \$69.50



PATIO CHEST. Beautiful hand rubbed walnut finish chest, wrought iron legs. Bamboo lined, containing 76 pieces. \$99.50

WALLACE BROTHERS—DIVISION OF WALLACE SILVERSMITHS AT WALLINGFORD, CONNECTICUT SINCE 1835



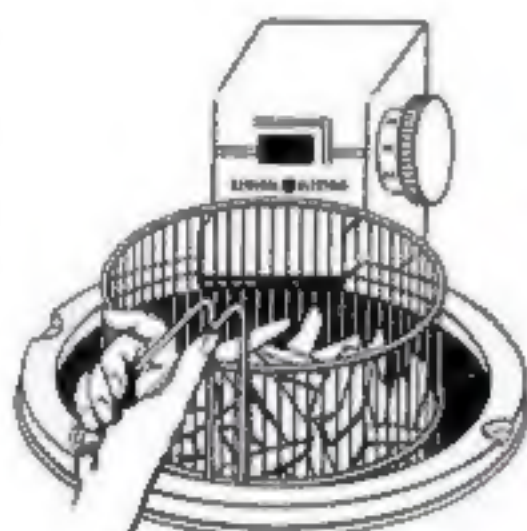
This G-E 'Range that thinks' makes cooking so easy!



1. Let us show you what we mean. You click on the heat with one finger... instead of fussing with turn-and-twist knobs. Every top-of-the-range cooking unit has five just-right heats—each with a pushbutton and Tel-A-Cook light. Green light on panel tells you from across the room something is cooking at "Lo" on right rear unit. Two big ovens work with pushbuttons, have separate temperature controls. Broil or roast in one while you bake in the other.

2. New, easy-to-use oven timer. "Watches" your baking while you're away. It's so easy! Just set it and the oven temperature control; then touch the "time bake" switch. Food bakes or roasts in either or both ovens, is ready when you come home. The minute timer "watches" cooking, times up to 60 minutes, buzzes when things are done. Timed outlet starts morning coffee while you're still in bed. See what we mean by "easy cooking"?

The chef-type deep-well fryer makes it easy to get perfect results. Much faster than ordinary fryers. Fully automatic, too—there's no thermometer to watch. When the fryer is not in use, the deep-well cooker is a joy. If you need an extra surface unit, just raise the Calrod® cooking unit with one finger.



New Extra-Hi-Speed Calrod unit—fastest cooking unit on any leading electric range.* It heats things in a jiffy. Food starts cooking faster.



SPEED COOKING

with the fastest home electric unit

2 Ovens... what a joy! Everything is ready at the same time. That big ham, and the 2 casseroles in the Master Oven were cooked at 350° while the deep dish pie and rolls were baking in the Companion Oven at 425°. Both ovens bake perfectly, have separate temperature controls. Use the oven timer with either or both. Both broil the tasty "charcoal" way.



FOR ONLY \$4.95† A WEEK, after down payment, you can treat your family to a G-E Liberator. Retail \$499.95. Operation is economical. Where local rates are 2¢ a kilowatt hour, \$2 should cover monthly power cost for family of 4. See your G-E dealer. (He's in the classified phone book.) General Electric Co., Louisville 2, Ky.

OTHER G-E RANGES AS LOW AS \$189.95

*Test Report E4991A... made by United States Testing Co. with utility-size units, using one each of 5 leading electric ranges. †See your G-E dealer for details. Prices subject to change without notice.

GENERAL  ELECTRIC

ENDS
"DUNK
FILLING"

Sheaffer's **SNORKEL PEN**

**THE ONLY PEN YOU FILL
WITHOUT WIPING OFF THE POINT**

You'll never again have a mess on your hands when you own Sheaffer's Snorkel Pen. This picture tells the story—shows you how the magic tube reaches out to drink the ink, while all other pens must be "dunked" to fill. What you can't see, of course, is the shock-protected, precision movement that safeguards performance. Nor can you realize at a glance how it is leak-sealed for safety. How it fills instantly, at the touch of your finger. How it cleans and flushes itself at every filling... so only *fresh* ink is ever in the barrel. How smoothly it glides your thoughts on paper. But why take our word for it? See what impresses you most about Sheaffer's Snorkel Pen. Try it at your Sheaffer dealer's.

Sheaffer's
Snorkel Pens,
\$12.50 up. Others
from only \$3.75

Simple as...

1. Twist—filling tube extends beyond tip of point.
2. Touch down—pen fills instantly through tube at a single stroke.
3. Twist—tube retracts. Pen is ready to write. No pen wiping needed.

SHEAFFER'S
SINCE 1907 • OF DISTINCTION

W. A. SHEAFFER PEN COMPANY, FORT MADISON, IOWA, U.S.A.
IN CANADA: HALTON, ONT. IN AUSTRALIA: MELBOURNE

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Insurance-wise HE'S BARGAIN-SIZE

...so start his **MONEY** policy now!

Did you know you can buy your son a life insurance policy today at about half the premium rate it would cost him later?

For example, a policy for a 5-year-old costs only \$1.14 a month per thousand, compared with \$2.42 for a man of 35.

Wouldn't you jump at a bargain like that for your son? Think of the money you'd be saving in premiums, right now, if your life insurance had been started for you when you were a child. Literally hundreds of dollars!

"Insurance-wise" your son is "bargain-size." And the younger he is, the bigger the bargain. So give him a **MONEY** policy now—it will be worth more money to him every year.

A **MONEY** representative can show you just how little a *Juvenile Policy* will cost. He's the man to turn to—not only for insurance fitted to your individual needs and income, but for continuing service throughout the years.



MAIL THIS COUPON NOW FOR FURTHER INFORMATION

MONEY TODAY
means money tomorrow!

The Mutual Life Insurance Company of New York
Dept. L-33, Broadway at 55th Street, New York 19, N. Y.
I would like free information about a **MONEY** policy to cover my needs as follows: (Please check.)

- | | |
|--|---|
| <input type="checkbox"/> Juvenile Insurance | <input type="checkbox"/> Education for my Children |
| <input type="checkbox"/> Retirement | <input type="checkbox"/> Supplement Social Security |
| <input type="checkbox"/> Income for my Family | <input type="checkbox"/> Mortgage Cancellation |
| <input type="checkbox"/> Accident and Sickness | |

Name _____

Address _____

City _____ County _____ State _____

Occupation _____ Date of Birth _____

WEATHER STAR FORECAST
ATOP OUR HOME OFFICE
Green.....Fair
Orange.....Cloudy
Orange flashing....Rain
White flashing....Snow



MUTUAL OF NEW YORK
"FIRST IN AMERICA"

The Mutual Life Insurance Company of New York



Doctors and Nurses Know How 'Nerves' Can Cause Headaches . . .

Bromo-Seltzer works Best for 9 out of 10 Headaches



THIS IS WHY BROMO-SELTZER WORKS BEST!...Medical research shows that 9 out of 10 simple headaches are caused by frustrations, tensions or anxiety—commonly called 'nerves.' In published literature, headache specialists and neurologists substantiate this medical fact.



ONLY BROMO-SELTZER GENTLY SOOTHES NERVES, PROMPTLY RELIEVES PAIN . . . Bromo-Seltzer does both because it contains ingredients found in no other leading headache remedy available without prescription. That's why Bromo-Seltzer works best for 9 out of 10 simple headaches.



GIVES RELIEF FASTER! Clinical tests against five other leading headache remedies showed that sparkling, refreshing Bromo-Seltzer gave relief faster than any tested. Next time headache strikes, put a heaping teaspoonful of Bromo-Seltzer in a glass, and half fill with cool water.

America needs nurses desperately . . .
Enroll as a student nurse.

Better for Upset Stomach Too!

Bromo-Seltzer contains sodium citrate—one of the most dependable ingredients known to doctors for the relief of stomach acidity, plus another ingredient to relieve nervous tension so often associated with upset stomach. For best results use cool water. Follow the label; avoid excessive use.

Buy Your Paint Now and Save!



Glidden ^{2nd annual} Paint Festival

APRIL 9TH THROUGH APRIL 25TH

KATE SMITH SAYS: "Save on all your Spring painting needs. See these quality Glidden products demonstrated on our TV show every Friday over your NBC-TV channel."



SPECIAL INTRODUCTORY OFFER

SPRED GLOSS

THE NEW LATEX WONDER ENAMEL

SPRED GLOSS is the brand new, completely different enamel that dries in ½ hour to a beautiful rich luster finish... smooth as tile. It's the first 100% latex base enamel! No brush pull. Color-matched to SPRED SATIN.

Regular Price... \$2.10 QUART

Festival Price... \$1.79 QUART

For
Bathrooms,
Kitchens,
all
Woodwork

SAVE
31¢ PER QT.

SAVE
63¢
ON A 2-QT.
PURCHASE

LASTING FLOOR BEAUTY...
INSIDE AND OUT!

FLORENAMEL

Save 63¢ on every 2 quart purchase—any colors—of Glidden FLORENAMEL. Enough for average porch and steps. It outwears ordinary floor paints 3 to 1. Alkyd-base FLORENAMEL withstands hard wear and gives complete protection against all weather conditions.



SAVE
\$1.25 PER GAL.
\$6.25 ON 5 GAL.

SAVES ½ THE TIME...
NEARLY ½ THE COST!

ENDURANCE IMPERIAL

FINEST QUALITY ONE-COAT HOUSE PAINT

This premium quality house paint is double-pigmented for greater protection. That's why one coat gives you two coat results. Buy now at the lowest price ever and enjoy gleaming enamel-like beauty that stays that way! White only.



FOR GORGEOUS WALL BEAUTY!

SPRED SATIN

THE 100% LATEX WONDER PAINT

So easy to use! So washable! So durable! With SPRED SATIN you can paint a room in just a few hours with brush or roller and have beauty that lasts! That's why millions insist on SPRED SATIN.

✓ Dries in 20 minutes.
No disagreeable odor.

✓ Guaranteed washable. Wash off finger-marks, grease, dirt without leaving a trace.

✓ Start or stop any place, laps or brush-marks won't show.

✓ Complete range of 180 colors—4,800 color combinations.

Color-Matched
to SPRED GLOSS

Only \$5.19 GAL.

\$1.59 QT.



Glidden

*Pacemaker
in Paints*



Copyright, 1953, The Glidden Company

OTHER FAMOUS GLIDDEN BRANDS INCLUDE: HEATH & MILLIGAN • CLIMATIC • ROYAL • T. L. BLOOD

there's a **NEW '53**

PLYMOUTH



John and Rosemary like good things. They wear smart clothes, select fine foods, enjoy a night at the Opera or an afternoon at the Art Museum. They also take great pride in the automobile they drive. At their Plymouth dealer's, they're just naturally attracted to these three sleek body types.



Cranbrook Belvedere. John likes the solid top and the wide open spaces with the windows down. Rosemary likes the smart styling, wants to drive this number to Country Club luncheons. Looks of a convertible, comfort of a sedan. 24 body finishes, 15 harmonizing interiors. Chrome wire wheels at extra cost.



Bob and Edna don't see too much of each other during the week. Bob's on the road, selling. A car, to him, is a daily necessity. That's why this couple takes the practical approach. They want *dependable* transportation. At their Plymouth dealer's, they carefully consider these three economical cars.



Cambridge Business Coupe. A removable back seat is available here to please both Bob and Edna. Bob takes the seat out during the week to make room for his sample cases. Then, on week ends, the seat is put back and Edna has herself a family car. For still more space, the huge trunk compartment is $\frac{1}{3}$ larger.



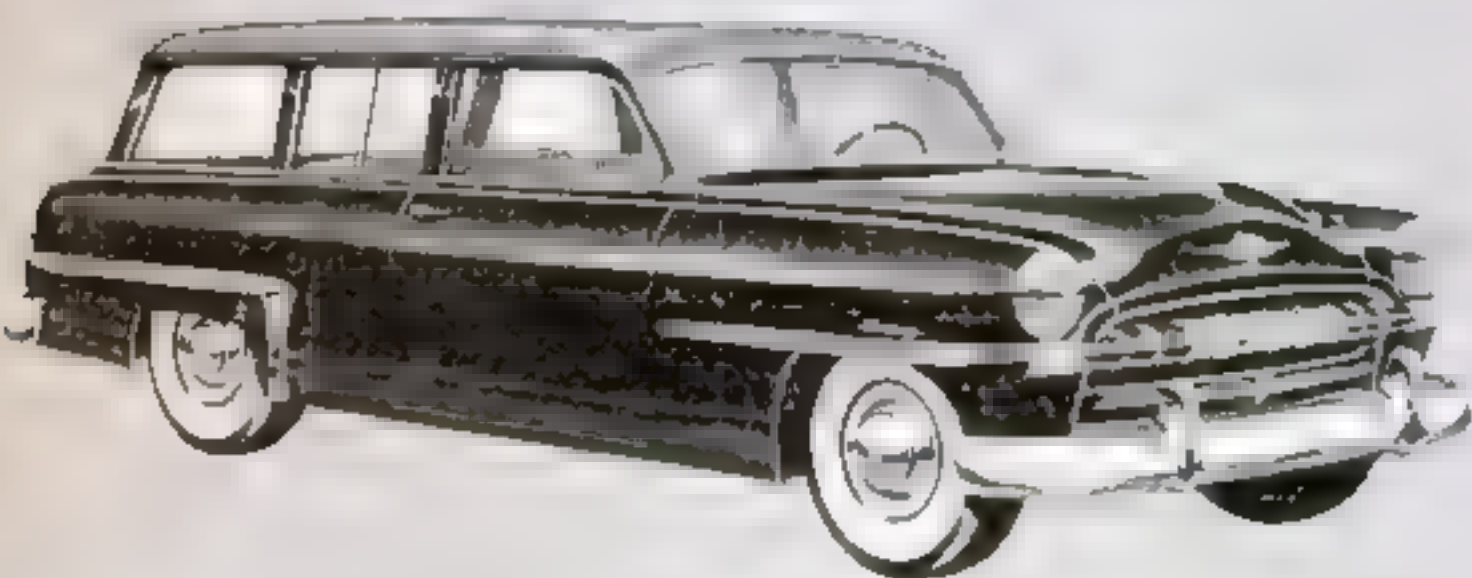
Bert and Emily have three youngsters, a dog and a mortgage. While these people have to keep a careful eye on their budget, they also proudly maintain certain living standards. At their Plymouth dealer's, they find both the value and quality they desire when they look at these three beautiful family cars.



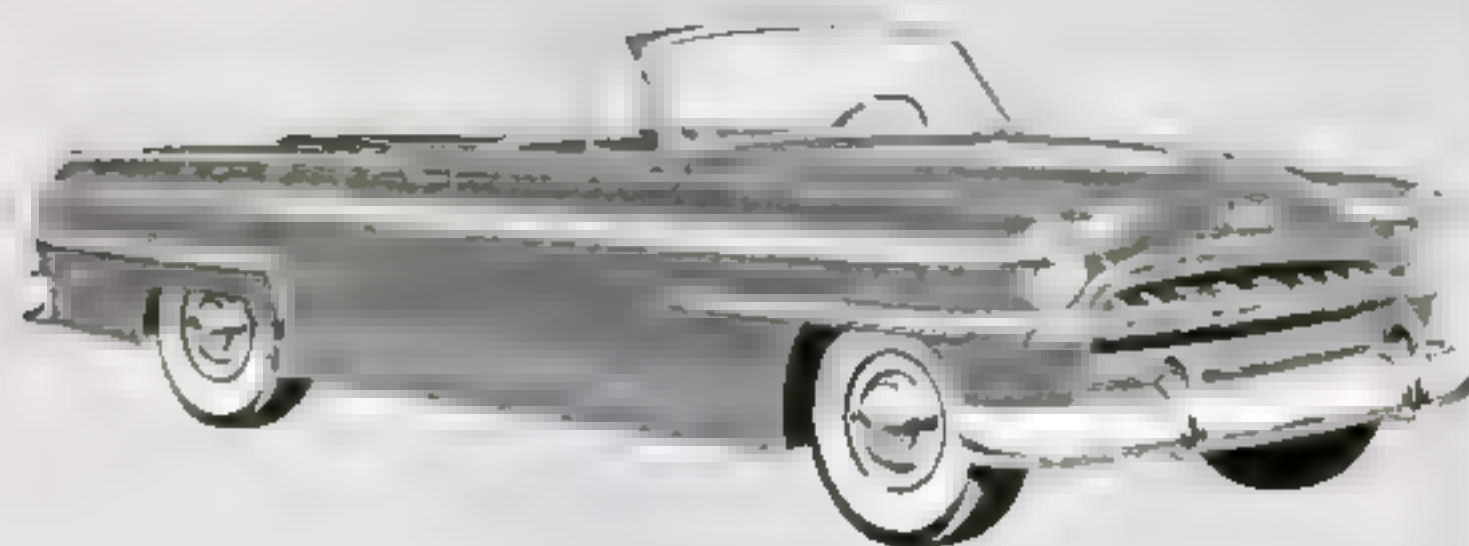
Cranbrook Four Door. Parents like its many safety features. Greater glass area affords better visibility. Electric windshield wipers don't slow down when you step on the gas. Big Safe-Guard Hydraulic Brakes mean surer stopping. In case of blowout, famous Safety-Rim Wheels let you slow to a controlled, safe stop.

for every taste, every need, every pocketbook

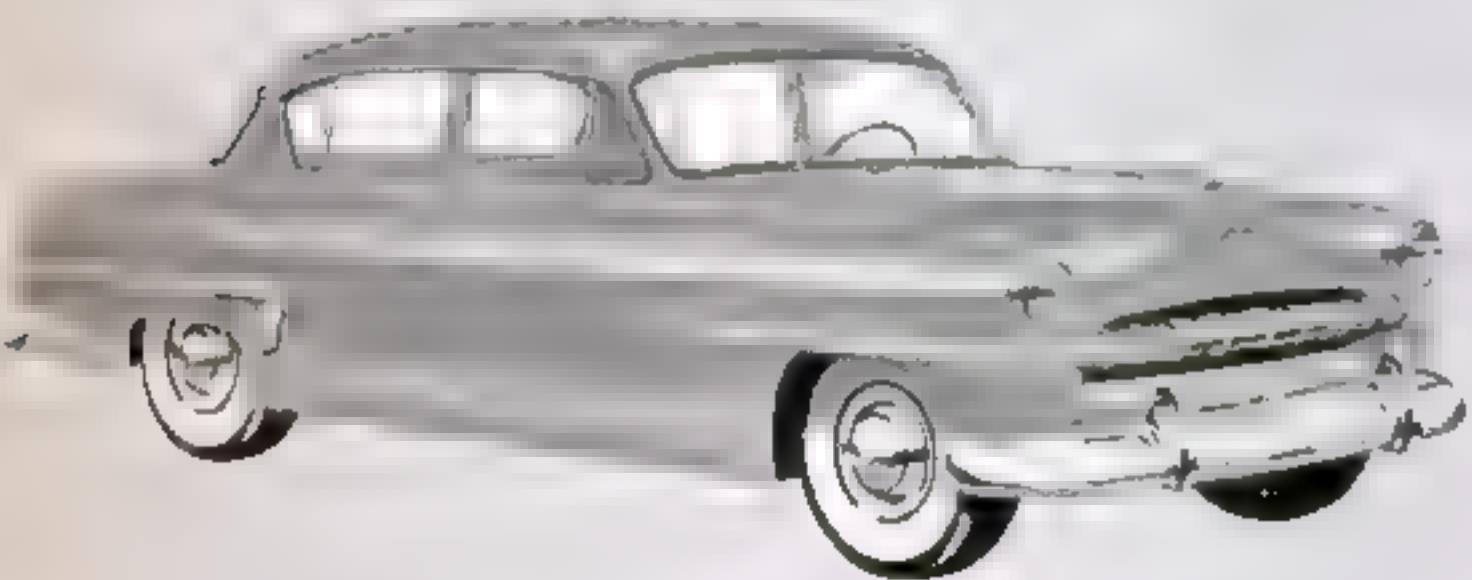
PLYMOUTH Division of CHRYSLER CORPORATION, Detroit 31, Michigan



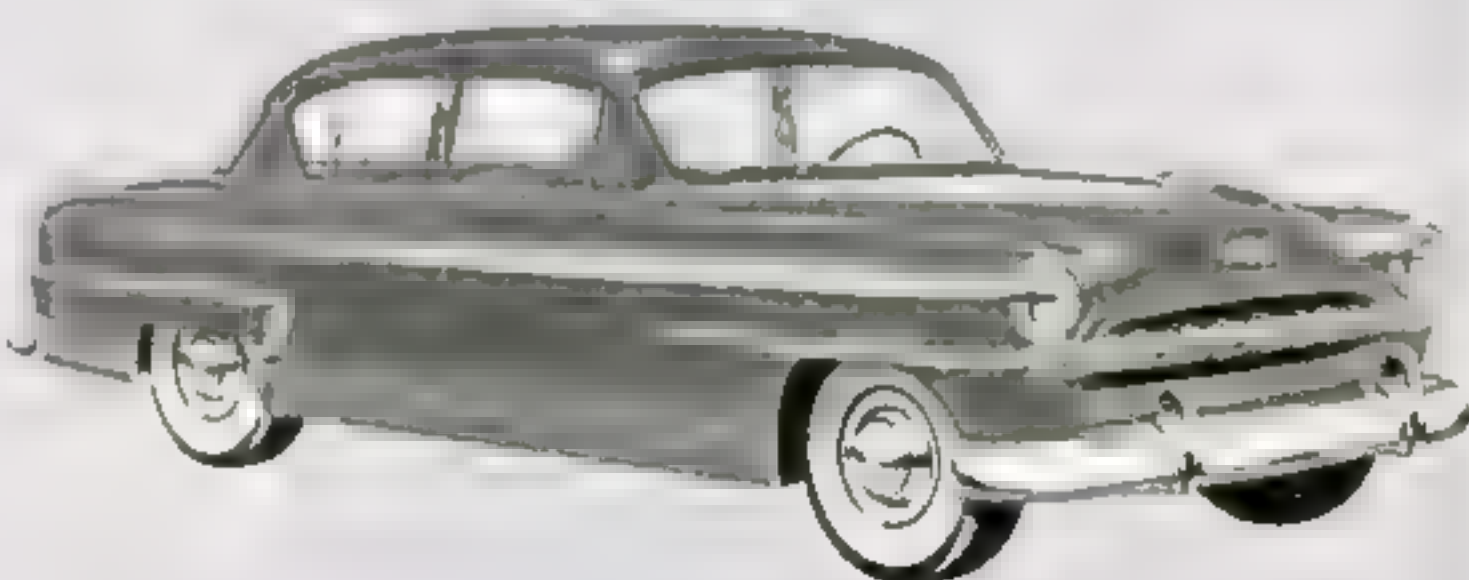
Cranbrook Savoy. Goes for gala social events in a big way. Also, mighty handy to have around when you're thinking of golfing, fishing, camping, gardening and the like. Carries six in comfort and style. Or fold away the back seat and drop the tail gate to get almost eight long feet of level load space.



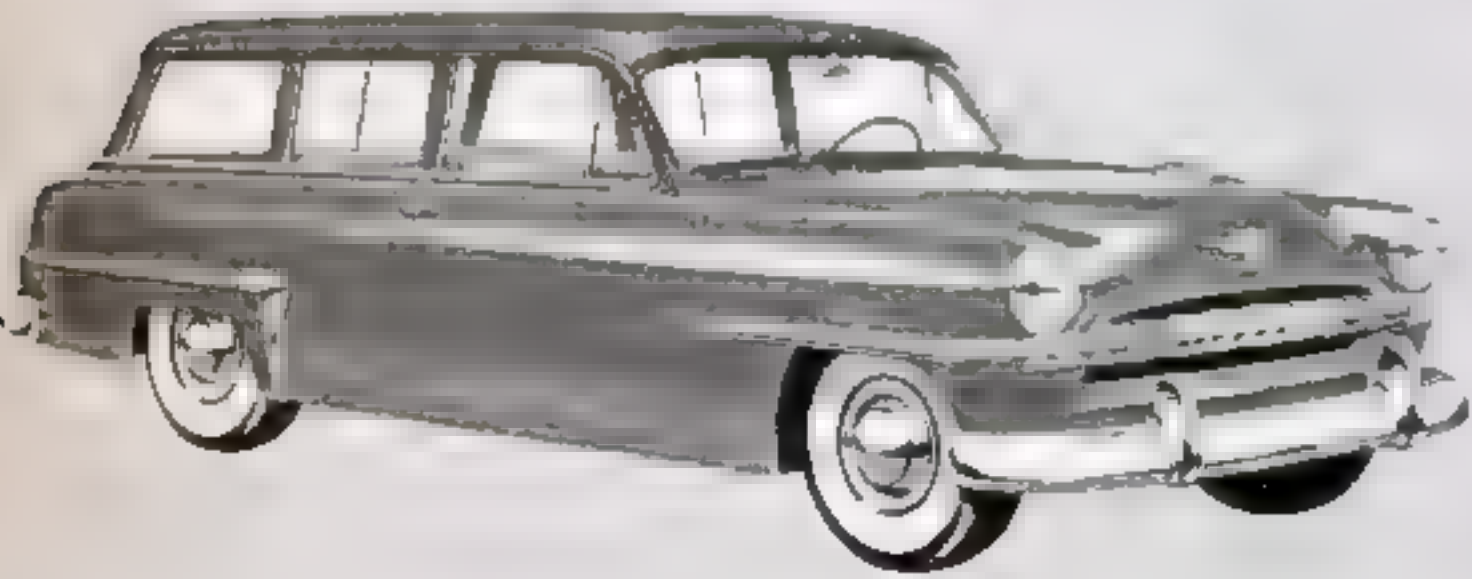
Cranbrook Convertible. Something to see—and be seen in—with the top up or down. Turns on the sun, shuts off the rain, automatically. Full-width rear window made of clear, pliable plastic; folds with the top itself. And, of course, this snappy performer has Plymouth's famous balanced ride.



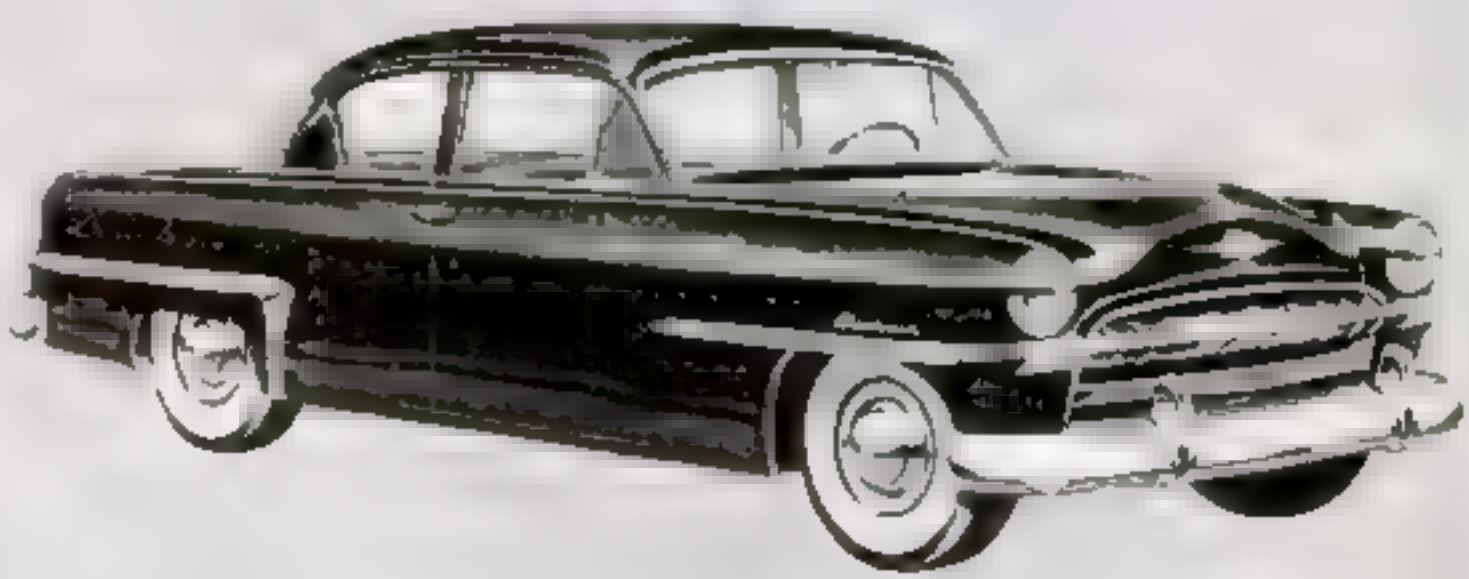
Cambridge Four Door. The more you drive, the better you'll like it. And thousands of miles from now, those full-depth cushions will be just as comfortable. The engine, with its increased horsepower and higher compression, will be just as responsive and trouble-free. Almost any cab driver will tell you that.



Cambridge Club Sedan. Newest addition to Plymouth family. Bob likes its sedan roominess. Edna likes its two-door compactness, especially when the children are in the back seat. And, as in all two-door models, the $\frac{1}{3}$ - $\frac{2}{3}$ front seat division lets back seat passengers enter without disturbing those up front.



Cambridge Suburban. The sturdy, versatile car with 101 family uses. It's the school bus, the vacation special, the station taxi. Bert likes all that cargo space when rear seat folds into floor. Emily likes the attractive plastic upholstery that's so quickly and easily cleaned with soap and water.



Cranbrook Club Coupe. Emily is working for the day when she can have one of these for her very own car. As in all new Plymouths, glove compartment is located in the center of the instrument panel, easily accessible to both driver and passengers. Ignition key starting with automatic choke.

\$15,000⁰⁰ IN PRIZES!

enter the **Red Ball**

JETS

contest



The famous THUNDERSTREAK

The Hi-Speed Sport Shoe



CROWN

COSMO

Nothing to Buy! Easy! Fun!

Finish This Line in 10 words or less:

"Red Ball Jets remind me of Jet Planes because _____"

Take a tip! Here are some important features of Red Ball Jets

They're fast on the take-off • They're tops in speed • They're air-cooled • They're tough for long wear • They're quicker on the turns • They give you 3-point landings.* • Many other ideas in free contest booklet.

How to Enter The Contest

Go to your favorite store where Red Ball Jets are displayed and get your free leaflet with specifications and pictures of real jet planes as well as your Official Entry Blank. If you can't locate a Red Ball dealer, mail a card to the address below, and we'll send you this leaflet and entry blank immediately.

*

ARCH-GARD
3 Point Protection
for happy landings



Anyone can enter—Ask Mom or Dad to help you. This contest runs during April, May and June, 1953. Entries will be judged for the month in which each entry is postmarked.

looking for good footwear? look for the **RED BALL**

BALL-BAND

MISHAWAKA RUBBER & WOOLEN MFG. CO. • MISHAWAKA, INDIANA

Boys and Girls of all ages!

Here are the prizes you can win...

510 Prizes Each Month

(for 3 months, APRIL, MAY AND JUNE, 1953) in addition to

\$1,000⁰⁰ Grand Prize!

30 ROADMASTER BICYCLES

Ten each month... Streamlined beauties, the sturdiest made. It's the Jet model bike that's built for safety and speed! In your favorite size, for boys or girls.

1500 ANSCO READYFLASH CAMERAS

500 each month... Favored by experts and beginners. Professional-type eye level view finder. Synchronized for flash. Ansco's latest for black and white or color shots.

1531 PRIZES IN ALL!

Hey Gang! If you're one of the first 2,000 entrants, we'll send you, absolutely free, Major Colby's 32-page book "Our Fighting Jets", illustrating and describing many of the Jets in action today.



Take Off! Get your entry in NOW!



Copyright 1953, by Weeco Products Company

So germ-free you could give it to the baby!

Dr. West's Miracle-Tuft is the only toothbrush offering hygienically-sealed-in-glass protection

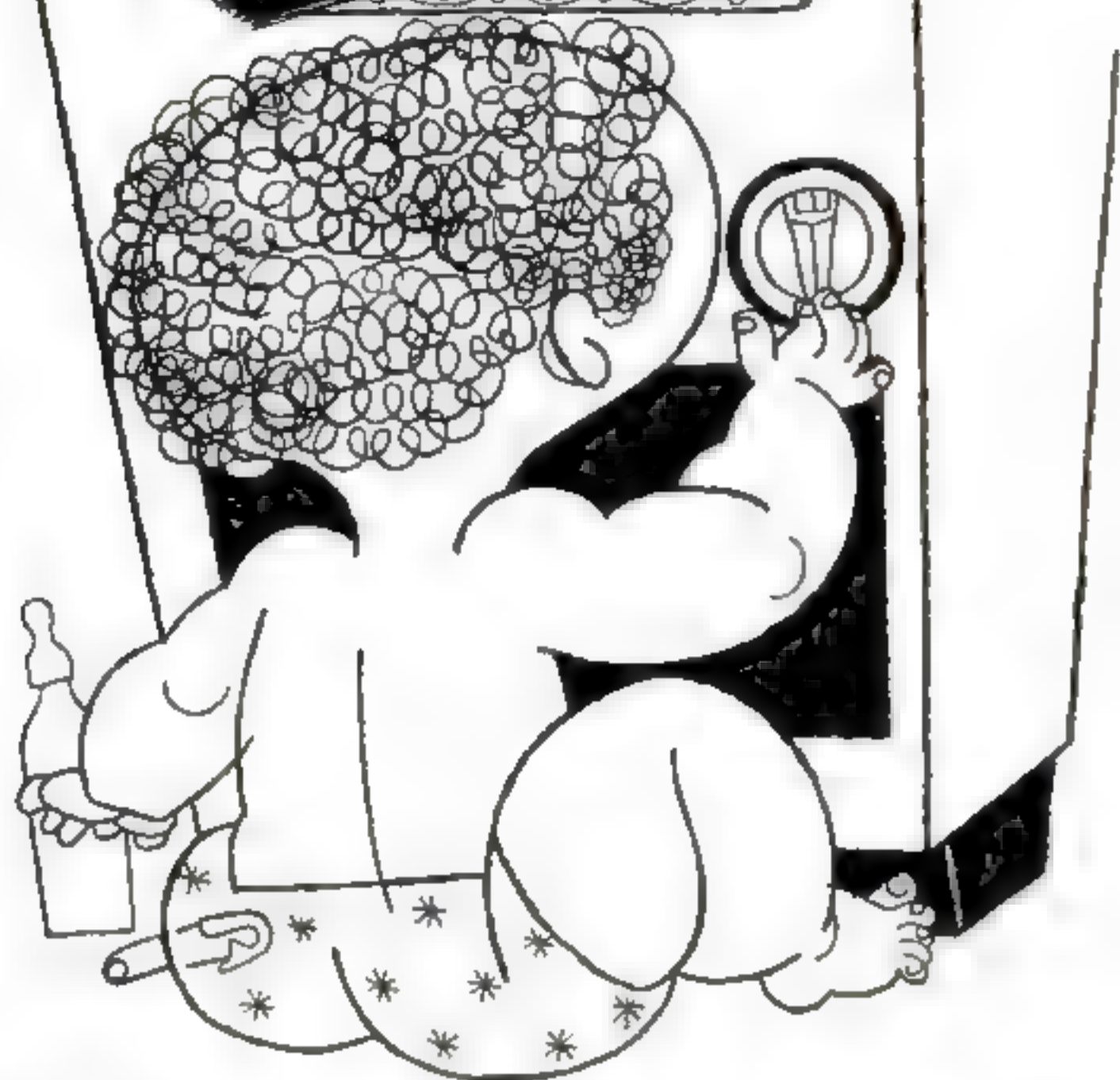
60¢

Every Dr. West's Miracle-Tuft reaches you in a completely sanitary state. It is locked-sealed in its glass tube with a special anti-bacterial vapor... not packaged in plastic or paper like other toothbrushes. Play safe! Get a Dr. West's Miracle-Tuft Toothbrush.



70 UHF CHANNELS are being added to TV...

BUT DON'T WORRY!



It'll be as simple as this

with your

Arvin

Built-in All-Channel TV



Arvin offers 16 TV models with one-knob all-channel tuning and all-channel antenna built in... with 27-inch, 21-inch or 17-inch screens... in fine-furniture cabinets of period or modern design... **\$249⁹⁵**

(Prices include federal tax and warranty—slightly higher in extreme South and West.)



ONE KNOB on your Arvin tunes in all stations within range... UHF or VHF

Compare Arvin's one-knob convenience with the complicated two-knob tuning of TV sets which use a UHF converter, installed either outside or inside the cabinet.

And there's no limit to the number of UHF channels your Arvin TV can receive. Some sets provide "plug-ins" for only one or two! Others substitute UHF tuning strips for some of their VHF channels, limiting the total number of stations you can ever receive to 12. These strips usually cost \$13.95 each, and if you move to another TV area, you have to replace them all!

Arvin is the first TV engineered and produced with one-knob all-channel tuning built in. With Arvin All-Channel TV, you receive every new UHF or VHF station within range as soon as it comes on the air—wherever you live, wherever you may move.

Arvin All-Channel TV gives you television at its finest—today and for years ahead. Arvin Industries, Inc., Columbus, Indiana.

LETTERS TO THE EDITORS

WEAPON FOR WEST

Sirs:

After living near the Czech border (1946-52) and seeing persons fleeing the East, I congratulate you on Isaac Don Levine's "A Weapon for the West" (LIFE, March 23). If our government really took care of these refugees, we would have an excellent weapon. Unfortunately we are not even giving them a chance to work toward freedom in their homelands. Often we simply pass the buck to the overburdened German government.

CARL R. HANSEN

Chicago, Ill.

Sirs:

Mr. Levine's limited objective of rolling back the Soviet to its original boundaries shows a failure to grasp the only logical aim for the non-Communist world. This is overthrow of the Soviet government. As a recent Red army defector put it, "I did not flee Russia, I fled the regime."

CHARLES C. GREENE

Great Neck, N.Y.

Sirs:

Mr. Levine's scheme to use Soviet deserters should earn him the gratitude of the MVD (secret police). It would give them exact information for immediate action against relatives and friends of his broadcasters. Some indication of obstacles to Mr. Levine's scheme is shown in photographs illustrating his article: Dark glasses, a concealing bandage and demands for anonymity by the two highest ranking officers of the six he assembles should give a psychologist pause for thought...

EDMUND ZAWACKI
Chairman

Department of Slavic Languages
University of Wisconsin
Madison, Wis.

BALLET

Sirs:

In your article on Ballerina Valerie Taylor (Speaking of Pictures, LIFE, March 23) you state ballet is a 400-year-old art. Ballet originated in Athens over 2,000 years ago. The Romans borrowed it from the Greeks. In the early 1500s it was introduced into the French royal court and thus Europe. Even the most stringent historian must admit ballet is over 400 years old.

CHARLES W. PAHL

Des Moines, Iowa

Although balletlike dances go back to classical times, ballet did not become a performing dramatic art until formalized in the festive French court life of the late 1500s.—ED.

BEIRUT UNIVERSITY

Sirs:

It is with profound gratitude that I write. Your photographic essay, "U.S. College in Near East" (LIFE, March 23), is one of the finest presentations the university has ever received. I feel certain that through your efforts the American public will become better informed not only about the university but also about the Near East and America's stake in it.

STEPHEN B. L. PENROSE
President

American University of Beirut
Beirut, Lebanon

FUNERAL EPILOGUE

Sirs:

After reading "Epilogue to a Funeral" (LIFE, March 23) I'd like to know how Lieut. Warren G. Brown, the American pilot who was shot down by the Russians, "turned north-east on a 320° heading." Not only is it impossible, but if he turned north-east (i.e., on a 45° heading) his jet would soon have been over Prague.

H. C. ARNOLD

Westport, Conn.

● Lieutenant Brown's cable was garbled. He flew northwest, not northeast, on a 320° heading, along the Czech border.—ED.

COVENTRY CATHEDRAL

Sirs:

"A New Cathedral for Coventry" (LIFE, March 23) is striking to say the least. In its setting of ancient structures I found it alarming if not actually shocking. Not as bad as painting a mustache on the Mona Lisa but quite as incongruous...

JOSEPH ALGER

New York, N.Y.

Sirs:

I tend toward contemporary expression, but I can conceive of it only when in harmony with the surroundings. Coventry's sharp departure from its past can only appear as an aberration and exorcism...

HENRY J. MCGILL

New York, N.Y.

Sirs:

Coronets to Coventry for its precedent-breaking acceptance of stone-age architecture side by side with the eternally great Gothic monuments. Now that the conservative English have done it, perhaps more American communities will supplant "contractors' pseudo-Gothic" with architectural forms appropriate for today.

RODERICK PARKINSON

Department of Architecture
Texas Technological College
Lubbock, Texas



16TH CENTURY FRENCH BALLERINAS CAVORT FOR THE COURT

CONTINUED ON PAGE 15



For the gifts you'll give with pride, let your jeweler be your guide

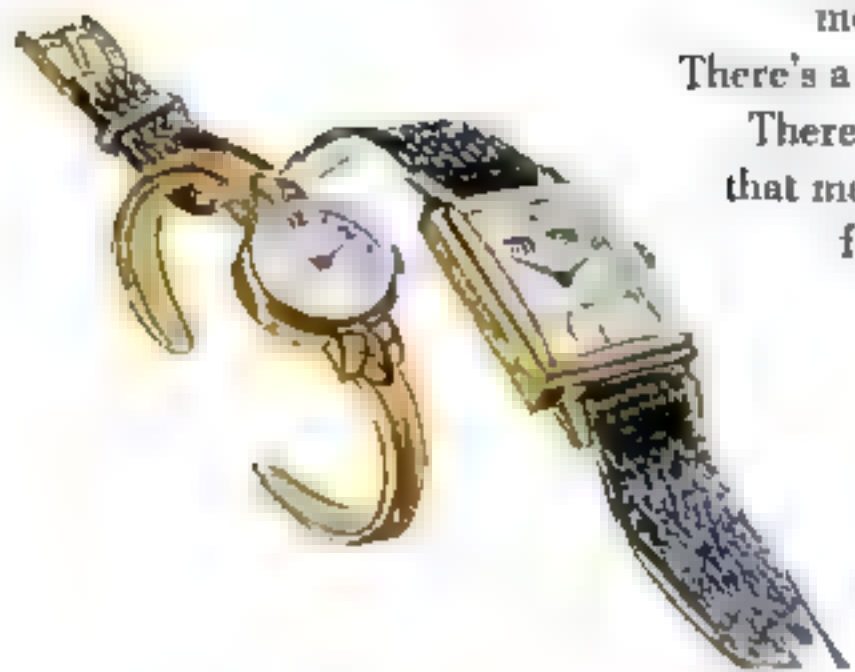
Why everyone who values time deserves a fine Swiss watch...

When you see a beautiful timepiece, you can be pretty sure it has a fine jeweled-lever Swiss movement. For there's more to every fine Swiss watch than beauty.

There's a distinguished heritage of craftsmanship over 300 years old.

There's unmatched skill and fine precision workmanship that make the fine Swiss watch the world's standard of accuracy, faithful service and value. No wonder seven out of ten jewelers wear fine Swiss watches themselves.

The Watchmakers of Switzerland



Your jeweler will show you "The Inside Story of the Fine Swiss Watch" and explain what makes quality watches so superior, so easy to service.



TIME IS THE ART OF THE SWISS

© 1953 Swiss Federation of Watch Manufacturers

Spring Surprises

WITH FLAVOR-PACKED, VALUE-PACKED ANN PAGE PURE PRESERVES



Upside Down Cake: Stir 2 tbsps. lemon juice into 1 cup Ann Page Preserves. Place in bottom of greased baking pan. Cover with cake batter (mix or your own recipe).



Fruit Suzettes: Add 1 tbsp. grated lemon rind to pancake mix. To serve: Spread each pancake with Ann Page Jelly or Preserves; roll up; sprinkle with powdered sugar.



Jelly Roll Sundae: Prepare jelly roll recipe using Ann Page Preserves or Jelly. Top each slice with scoop of ice cream and additional preserves or jelly.

Blossom out with sweet surprises... simple desserts and quick-fix mixes become exciting treats with the flavor magic of Ann Page Pure Preserves... made of juicy, sun-ripened fruit. You never tasted finer preserves! Count on the whole fine family of 33 Ann Page Foods to delight *your* family and save you money!

8 Delicious Flavors

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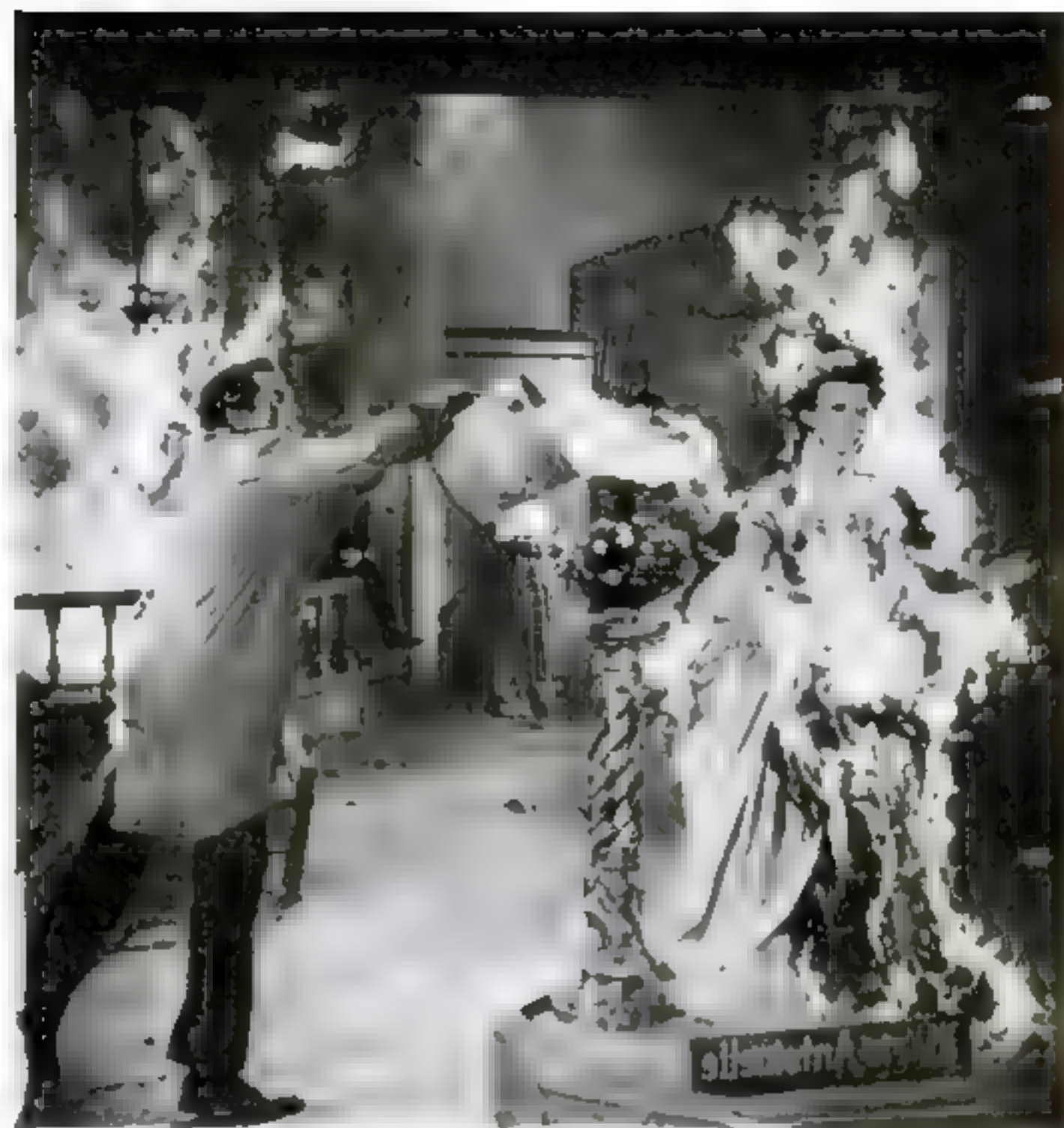
*Manufacturer's recommended retail or Fair Trade price. Plus applicable taxes.

GENERAL  ELECTRIC



FIERY 3-D FEATURE, Warner Brothers' *House of Wax*, a spectacular horror film which gets the

maximum shock effect from third dimension, will be among the first 3-D films to reach the nation's movie



screens. In scene above, Vincent Price tries to put out a fire which is destroying his wax museum.

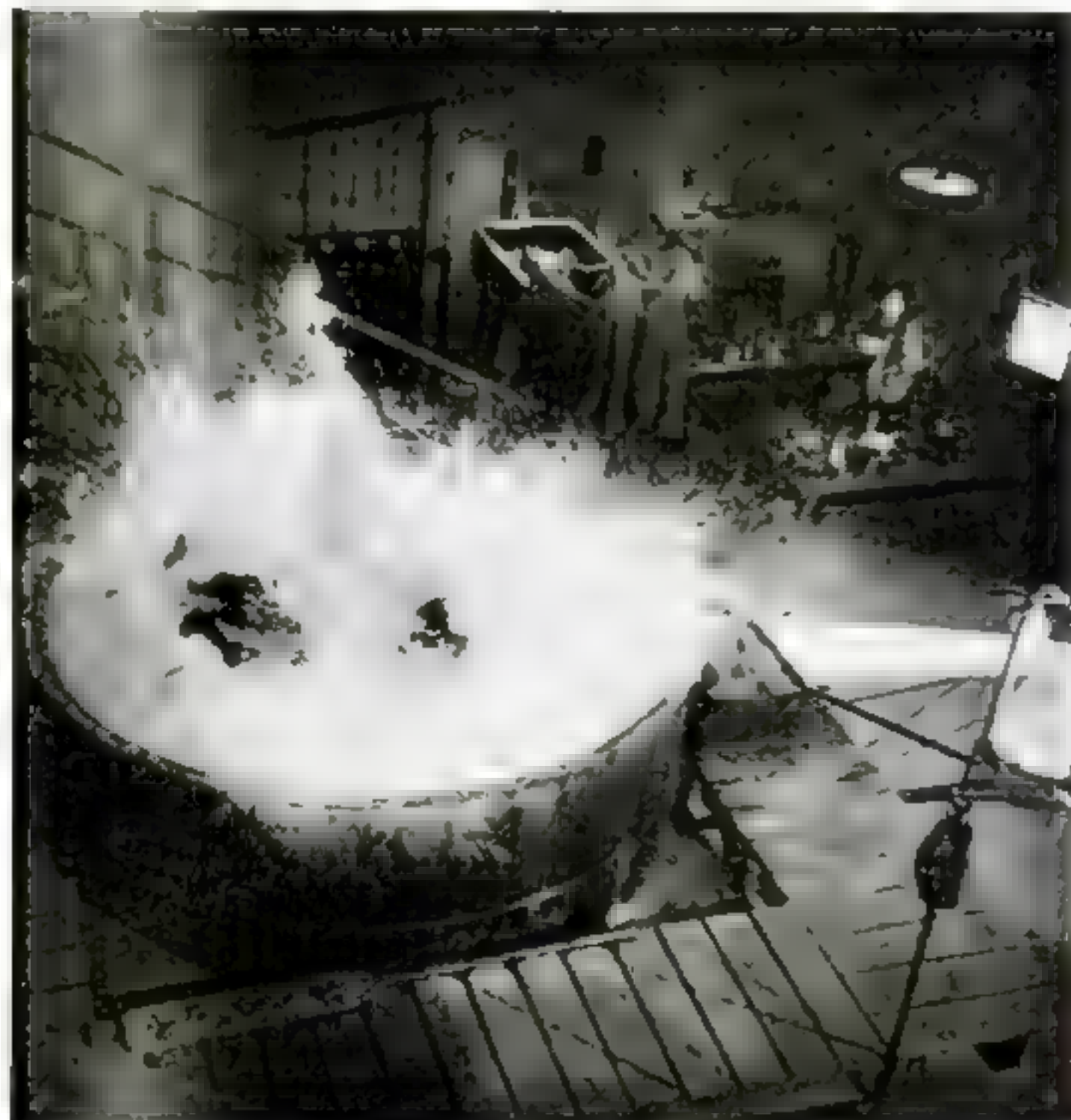
SPEAKING OF PICTURES...

Any day now the first wave of three dimensional feature movies will come out of Hollywood to flood the land. Audiences in theaters will have to put on light-polarizing glasses to see them. To give its readers a glassless preview of the effect in their own homes, *LIFE* offers on these pages some specimen scenes from the

new 3-D films, all of which are scheduled to be released in the coming month. If you follow the simple instructions, they will come out and hit you in the eye.

Take a mirror, preferably rectangular although any shape mirror will do, whose shortest side is at least as long as the height of each

of the pair of matching pictures printed side by side on these pages. Put the mirror edge up on the page and at right angles to it, as shown in the photograph at the right on opposite page, with mirror's short side in the space between the matching pictures. Put your nose on or near the mirror's top. Assuming the reflecting



ANOTHER HORROR SCENE in *House of Wax* shows the evil museum proprietor, who has been

turning humans into statues, getting his just deserts by falling into caldron of boiling wax. Here 3-D gives



effect of caldron bubbling up and out toward audience, and the strongest nerves are expected to finch.



COSTUME DRAMA is considered by some producers a natural for 3-D because the actors have

sumptuous sets to move back and forth in. Here Arlene Dahl and Fernando Lamas are in *Sangaree*, made

by producers Pine and Thomas for Paramount. Like all other 3-D films being planned, this is in color.

...With the help of a mirror, these will give you a preview of the new 3-D movies in your own home

side of the mirror is on the right, close your left eye and look at the mirror with your right eye, adjust so the real picture and mirror image line up in the same plane. Then open the left eye and, with both eyes open, concentrate on the left-hand image. If you concentrate hard on the left-hand image the objects in the

picture will suddenly jump out at you. Some slight tilting of the mirror may be necessary and some people may find it easier with the mirror facing the left-hand picture. Some people take longer than others, but by experimenting you will find yourself looking straight through! Let's pass into the third dimension.



HOW TO HOLD MIRROR BETWEEN THE PICTURES



THE WIDE-OPEN SPACES are also favored by 3-D makers. Here they add depth to battle staged in

Columbia's *Fort Ti*, a Revolutionary War film produced by "Jungle Sam" Katzman (LIFE, March 23)

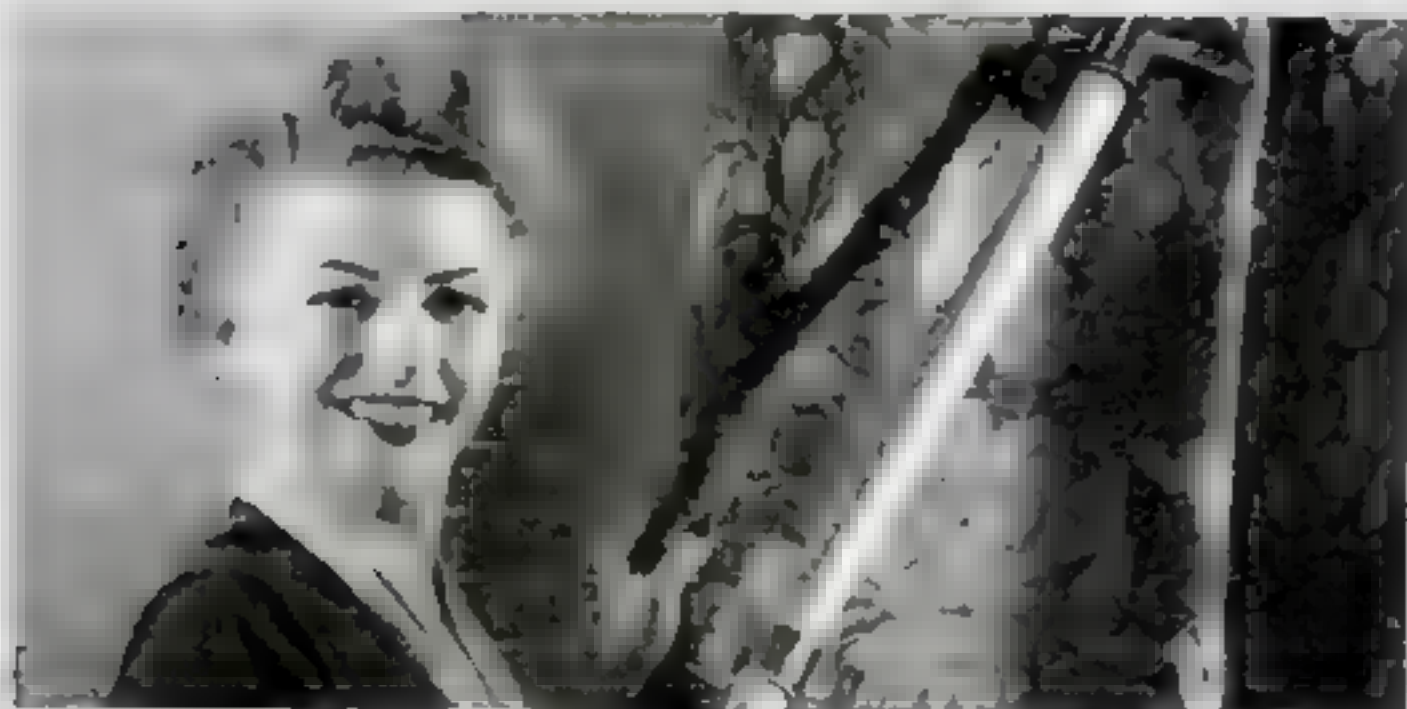
who lays especial store on tricks like making tomahawks seem to fly out of screen at scalps of audience.



PICTURE STORY:

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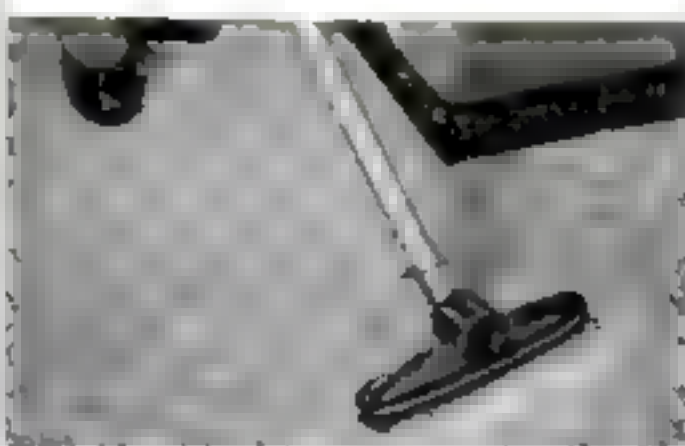
Cleans right up to the baseboard, gets under low modern furniture and into all those hard-to-reach corners.



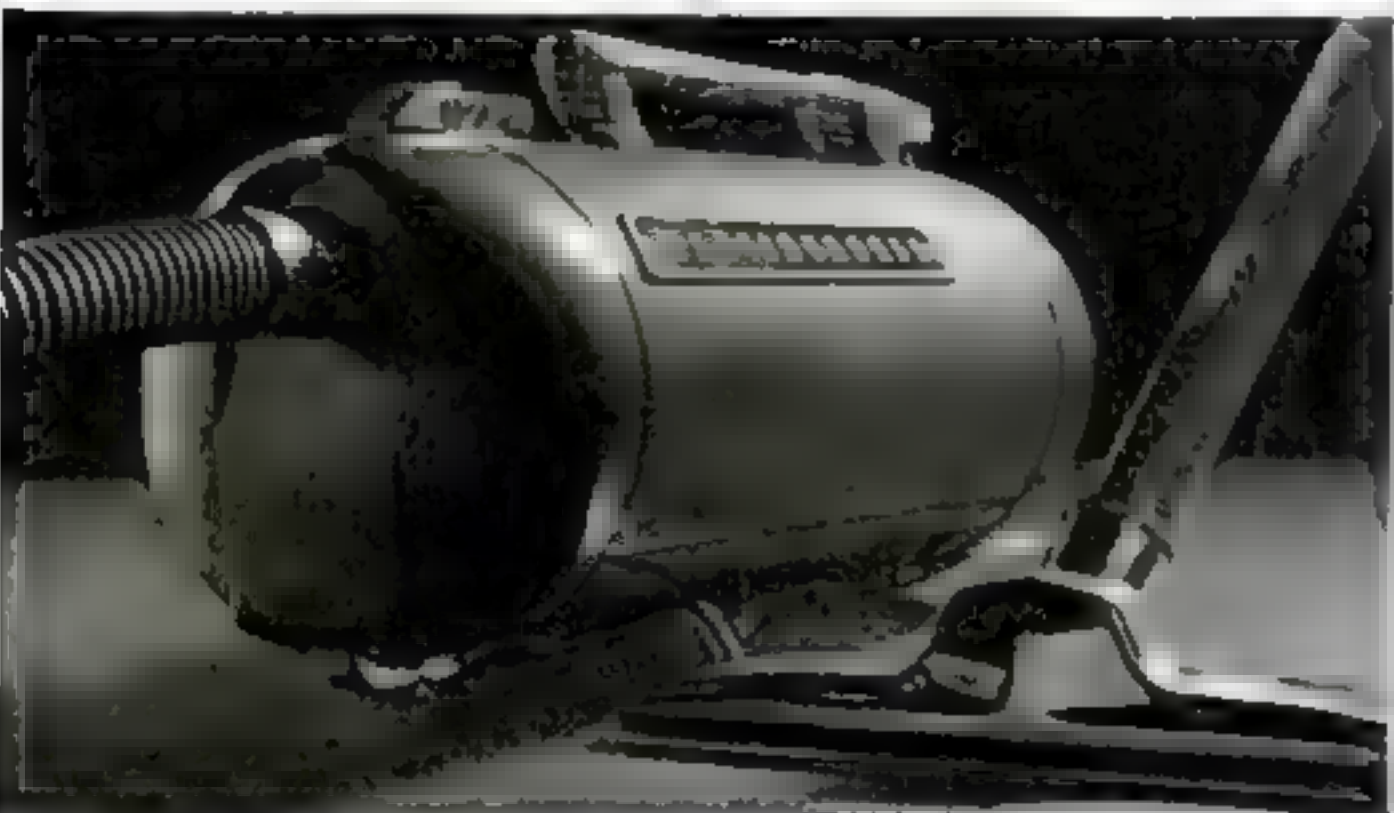
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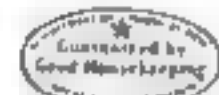
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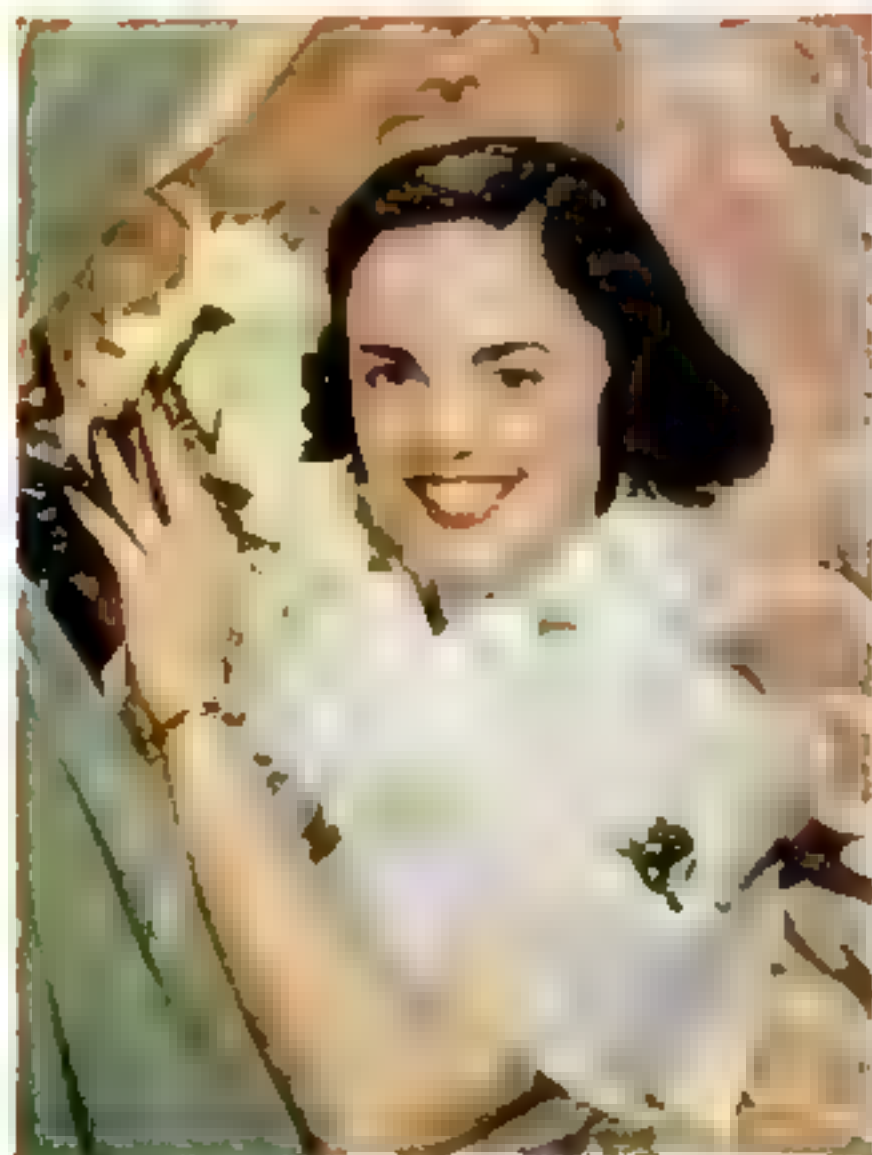
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people in the world of rest.



Certificate No. 1 to Captain John W. Anderson, of the S.S. *United States*, in recognition of luxury comfort afloat. For this great ship, the U. S. lines naturally bought the finest mattresses that money can buy: Beautyrest® for every stateroom. Now, passengers tell Captain Anderson how well they sleep at sea. He gives some of the credit to the sea air, and a lot of the credit to Beautyrest.



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To lovely Terry Thomas of New York City, voted the most attractive young lady in the Miss Beautyrest contest of 1953, Simmons sends a new Beautyrest mattress—for the world's most beautifying sleep.

Simmons presents Beautyrest mattresses to four



Feeding, changing and lulling the quads to sleep makes Joseph Graber four times more tired than the average father! When Mr. Graber does get a chance to rest, he needs to get more than ordinary rest. He needs to get the very best rest in the whole wide world—Beautyrest! The Simmons Company forwards one of its famous Beautyrest mattresses to Joseph Graber.



Certificate No. 2 to Miss Katherine White-Spunner, R. N. If anybody's an expert on rest, it's Miss White-Spunner who directs the 360-bed Mobile Infirmary of Mobile, Alabama. Here, Miss White-Spunner provides the most modern bedding equipment, including Beautyrest mattresses, and special lighting, heating and decorations to insure the utmost in restful relaxation.



Certificate No. 3 to Hernando Courtright, managing director of the celebrated Beverly Hills Hotel which caters to more royalty, more famous people, more glittering personalities per square foot, than any other hotel in the world. To make sure that his guests who demand the best, get the best, Mr. Courtright sees that each room has a Beautyrest mattress and is restfully decorated.

people who, in its opinion, need rest most.



One of the tensest jobs in the world is held by trapeze artist Mary Jane Miller of the Ringling Brothers, Barnum & Bailey circus. A Beautyrest mattress from the Simmons Company to help Mrs. Miller relax after the big show.



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Who needs rest more than an umpire? Every day during the season, nine innings of baseball and ten innings of headaches! To Art Passarella of the American League, the Simmons Company presents a Beautyrest mattress.



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Won't she drink her milk? Don't scold her. It may be your own fault. Have you been serving milk in a glass too large for her? Try a small, colorful glass or mug — appealing to young eyes, easy for little hands to manage.

How can I make milk more appealing to my family?

Give it extra zip and nourishment with malt extracts. Make easy, delicious milk shakes. (To 2 cups chilled milk, add any one of the following — a mashed banana; or a cup prune juice; or 4 tablespoons of molasses; or $\frac{1}{2}$ cup crushed, sweetened strawberries. Shake or stir till blended.) Perk it up with flavored syrups (strawberry, chocolate, maple, grape, cherry).

How can I get more milk into my family's diet?

Use plenty of milk with their breakfast cereals. Add fruit for zest. Make creamed gravies and sauces, cream soups and vegetables, rice and bread puddings, custards. Include cheese in your menus. (An ounce of hard cheese comes close to the food value of $\frac{1}{2}$ pint of milk.)

How much milk should my family drink?

Growing children need a full quart daily — to build strong, straight bones and sturdy teeth. Vitamin D milk contains the "sunshine vitamin" that helps young bodies make use of milk's valuable minerals. The average adult should have a pint of milk daily to keep bony structures in repair. Grownups can get much of their milk needs in foods cooked with milk but children get most of theirs by drinking it.

What about dried milk? Evaporated? Condensed?

Your family can get its normal milk needs in any form of milk — whole, skimmed or cultured; buttermilk; evaporated or condensed milk; or dried milk. (See the BETTY CROCKER PICTURE COOK BOOK for a variety of interesting and thrifty dishes made with milk.)

Betty Crocker
of **GENERAL MILLS**
MINNEAPOLIS

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OUR AUTHORS—UNKNOWN AND WORLD FAMOUS

LIFE has been negotiating with two writing generals, whose careers have been as diverse as anything you can imagine. One is a Russian fugitive whose case demonstrates that if an author has something important to say it doesn't matter how little known he is. And certainly former general Alexander Orlov, whose "Stalin's Ghastly Secrets," Part II, appears on pages 160-178, is one of the least known men in the U.S. Scarcely more than a dozen men in the country, four of them LIFE editors, can identify him.

He was last seen publicly when he was the chief NKVD agent in Spain during the civil war. For at least seven years he had felt that sometime he would have to make a break. The time came in 1938 when he received a message which everyone who worked for Stalin learned to recognize: an order to report for conferences aboard a ship. This meant, Orlov knew, that he would be kidnaped. Sending his family ahead of him, he took a car with a trusted chauffeur to the French border. There he abandoned the car and later managed to join his family. Through a series of small miracles he got across the Atlantic and obtained political

asylum in the U.S. Ever since he has been in hiding because he knew that Stalin had violent feelings about damaging witnesses like Orlov being left around alive. Stalin's death, Orlov believes, still will not prevent his heirs from trying to

make an example of him to prevent other high-level officials from defecting. We can tell you all this now because Orlov, after identifying himself to LIFE by official papers and other means, has disappeared again. We don't have any idea where he is so couldn't possibly be indiscreet.

The other general, whose name by contrast is a household word, demonstrates that many well-known makers of history gravitate toward LIFE when they have something that needs to be said. We are very proud to announce that last Saturday General James A. Van Fleet agreed to

write for LIFE. Publication is tentatively scheduled for May. General Van Fleet took the Communists' measure in Greece and in Korea and now has retired. LIFE and its readers are fortunate to have the benefit of his guidance in interpreting what has happened in the past and what will happen during the coming negotiations with the opponent he knows so well.



GENERAL VAN FLEET BEFORE A SENATE HEARING

CONTENTS

COVER

DELICATE ARCH, UTAH, AND LA SAL MOUNTAINS (SEE "THE LAND" pp. 96-109)

THE WEEK'S EVENTS

PEACE TALK AND THE WIFE OF A PRISONER OF WAR	27
PHOTOGRAPHED FOR LIFE BY ROBERT W. KELLEY	
CROSSED HATS, CROSSED PIPES AT 1 20TH OF A PACE	33
RIOTS PROTEST PRICES AND WHITE RULE	34
WINDSOR'S ROYAL VAULTS RECEIVE A QUEEN	35
KOREAN VETS SWEAT OUT A U.S. LANDING	38
MICHIGAN'S BARMAIDS GO INTO BATTLE	40
MARY PICKFORD AGAIN WIELDS MEGAPHONE	45
LIFE ON THE NEWSFRONTS OF THE WORLD	47
AN EXPLODING AMMUNITION TRAIN SHELLS LEWIS, IND.	53
STRIKEBOUND TOWN PROVIDES "HIGH NOON" TENSION	61
THE CABINET: LAST OF A SERIES	
CHARLES E. WILSON, SECRETARY OF DEFENSE	61

EDITORIAL

A REPUBLIC TO BE PRESERVED	32
----------------------------	----

PICTORIAL ESSAY

THE WORLD WE LIVE IN. PART III	
THE FACE OF THE LAND. Text by LINCOLN BARNETT	96

ARTICLE

THE GHASTLY SECRETS OF STALIN'S POWER: PART II	
By ALEXANDER ORLOV	160

MILITARY AFFAIRS

RUSSIA'S NEW AIRCRAFT	71
-----------------------	----

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FASHION

OVERHAULED OVERALLS	110
---------------------	-----

EDUCATION

GYPSY CHILDREN LEARN THROUGH GAMES	119
------------------------------------	-----

NIGHTCLUBS

IN ROME GOSSIP IS A GIRL'S BEST FRIEND	129
--	-----

ART

THE LAST OF DUFEY	135
-------------------	-----

SPORTS

OHIO STATE FLIES HIGH IN THE DIVE	139
-----------------------------------	-----

BUSINESS

COLLECTOR OF CONFEDERATE MONEY	147
--------------------------------	-----

THEATER

SHAW'S SLAPSTICK CHEERS BROADWAY	155
----------------------------------	-----

SCIENCE

SIMULATING THE A-BOMB'S RAYS	181
------------------------------	-----

OTHER DEPARTMENTS

LETTERS TO THE EDITORS	12
SPEAKING OF PICTURES: WITH HELP OF A MIRROR THESE WILL GIVE YOU PREVIEW OF 3-D MOVIES IN YOUR HOME	18
LIFE GOES TO A CIRCUS BALL	189
MISCELLANY, CLIMB FOR YOUR DINNER	192

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sources, credit is recorded picture by picture (left to right, top to bottom) and line by line (lines separated by dashes) unless otherwise specified.

COVER—JOSEF MUECH
12—THE BETTMANN ARCHIVE
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16—HANK WALKER
17—BOB ROBERT W. KELLEY
18—BOB ROBERT W. KELLEY
19—U.P. ROBERT W. KELLEY—ROBERT W. KELLEY
20—ROBERT W. KELLEY
21—MAP BY TONY SODARO
22—ARTHUR SASSE FROM INT
23—TRIBUNA DA IMPRENSA—FOLHAR-SAO PAULO
24—K.P.A. INT. A.P.
25—37—COMBINE CARL MYDANS—COMBINE, WILLIAM GORDON DAVIS
26, 29—LT. ALLAN GRANT COR. ALLAN GRANT, ST. GORDON PARKS

48—JOE SCHERSCHER EXC. T. MARTIN MERCE
49—EUROPEAN—GEORGE SKADDING
50—GEORGE SKADDING, A.P. INT. ST. INT
51—GORDON PARKS—OFFICIAL U.S. NAVY PHOTO
52—JACK W. MEE FOR THE TERRE HAUTE TRIBUNE, JACK W. MEEY MANUEL, & WIMSEY STUDIOS, TERRE HAUTE
53—BOB KADEL
54—FRANCIS MILLER EXC. INT. BOB KADEL
55—FRANCIS MILLER
56—JOHN DOMINIS
57—JOHN DOMINIS—JOHN DOMINIS—HAROLD H. HUBBARD
58—JOHN DOMINIS
59—72—DIAGRAMS BY THOMAS TURNER
73—DRAWING BY JOHN T. MCCOY
74—DIAGRAMS BY THOMAS TURNER
75—GORDON TENNEY
76—HANK WALKER

85—HANK WALKER
86—LOOMIS DEAN
87—JOSEF MUECH, ANDREAS FEININGER—DOT. LT. LOOMIS DEAN
88—THROUGH 91—ILLUSTRATIONS BY SIMON GRECO BASED ON DRAWINGS BY VINCENT KOTSCHER
92—ANDREAS FEININGER EXC. T. RT. JOHN SHELTON
93—AND ROBERT FRAMPTON
94, 99—ANDREAS FEININGER
100, 101—ANDREAS FEININGER—LAURENCE LOWRY
102, 103—ILLUSTRATIONS BY SIMON GRECO BASED ON DRAWINGS BY VINCENT KOTSCHER
104, 105—LAURENCE LOWRY
106—THOMAS D. McAVOY
107—THOMAS D. McAVOY—PAUL PIETZSCH FROM U.S.
108, 109—THOMAS D. McAVOY
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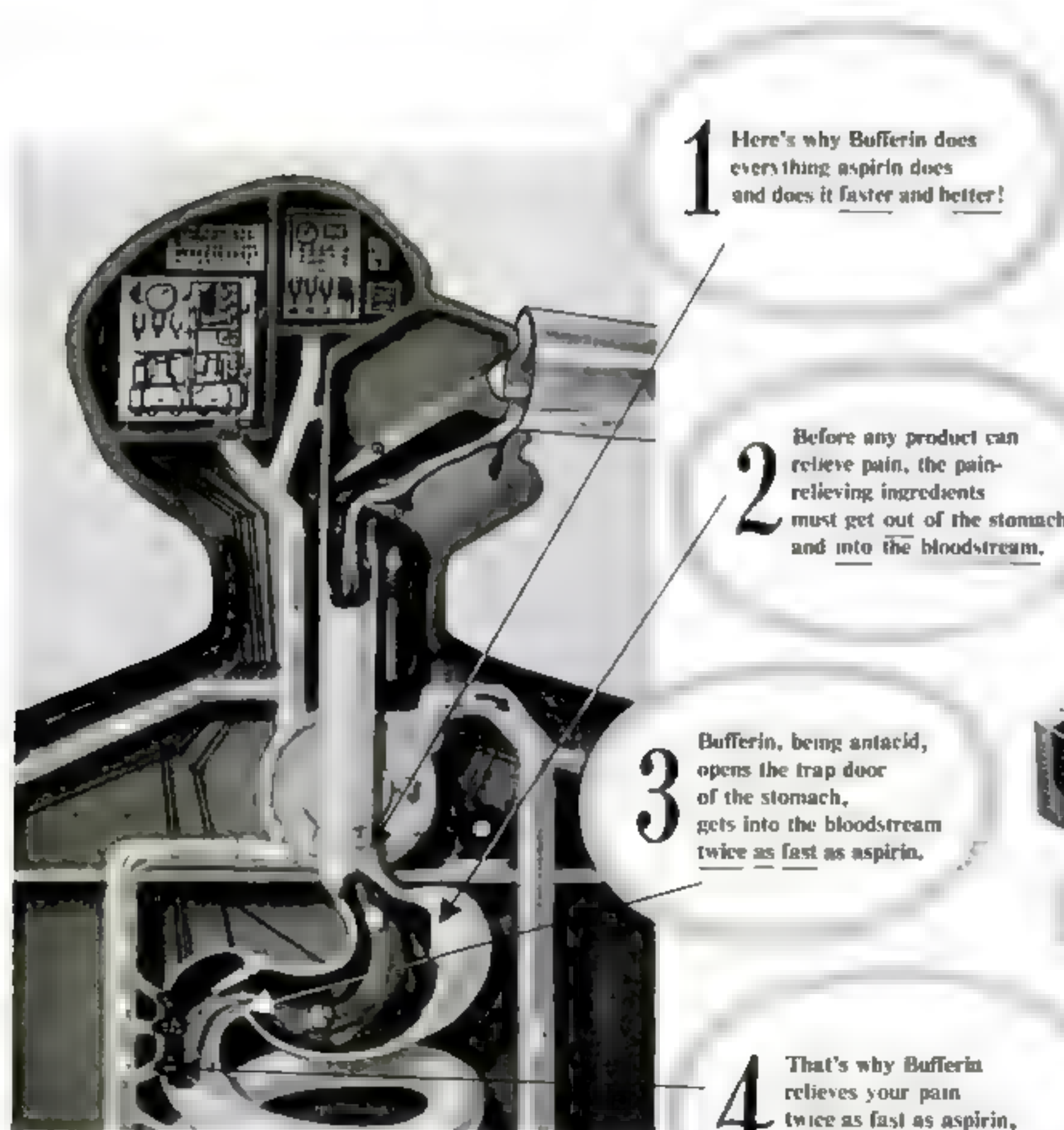
111—A.P.
112—A.P. MOHAMED YOUSSEF FROM AKRAM EL TOM
113—THOMAS D. McAVOY
114—FRANCIS PAGES FOR "PARIS-PRESSE"—JOHN CRIVEN JOHN CRIVEN
115, 116—JOE SCHERSCHER
117—JOE SCHERSCHER EXC. DOT. A.P.
118 THROUGH 120—ROBERT W. KELLEY
121, 122—MILTON GREENE
123, 124—DRAWINGS BY SERGE KOROLKOFF
125—RICHARD LAUTERBACH
126—HISTOIRE DES SOVIETS—NO CREDIT
127 THROUGH 128—DRAWINGS BY SERGE KOROLKOFF
129—GEORGE SKADDING
130—GEORGE SKADDING—SHAGBAY BY MATT GREENE
131—GEORGE SKADDING
132 THROUGH 133—CARL HIRASAKI
134—J. BELIN OF OFFICE MAROCAIN DU TOUJOUR

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2 Before any product can relieve pain, the pain-relieving ingredients must get out of the stomach and into the bloodstream.

3 Bufferin, being antacid, opens the trap door of the stomach, gets into the bloodstream twice as fast as aspirin.

4 That's why Bufferin relieves your pain twice as fast as aspirin, doesn't upset your stomach!

Bufferin[®]

- acts twice as fast as aspirin!
- doesn't upset your stomach!



PRODUCT OF GR ETO MYERS

No tablet or powder can give you relief from pain until the pain-relieving ingredient enters the bloodstream. Bufferin's special formula combines aspirin with two antacid ingredients. Being antacid, Bufferin *opens* the stomach valve, gets the pain-relieving ingredient *into* the bloodstream *twice as fast*

as aspirin. Therefore, Bufferin acts twice as fast to relieve pain.

Clinical studies **prove** that people who took Bufferin had more pain-relieving ingredients *actually in the bloodstream* in ten minutes than those people who took aspirin had in twenty minutes. And Bufferin won't upset your stomach because Bufferin is antacid.

For headaches, neuralgia, and ordinary muscular aches and pains, remember Bufferin for fast pain relief! Ask your physician or dentist about Bufferin. Get Bufferin from your druggist . . . today!

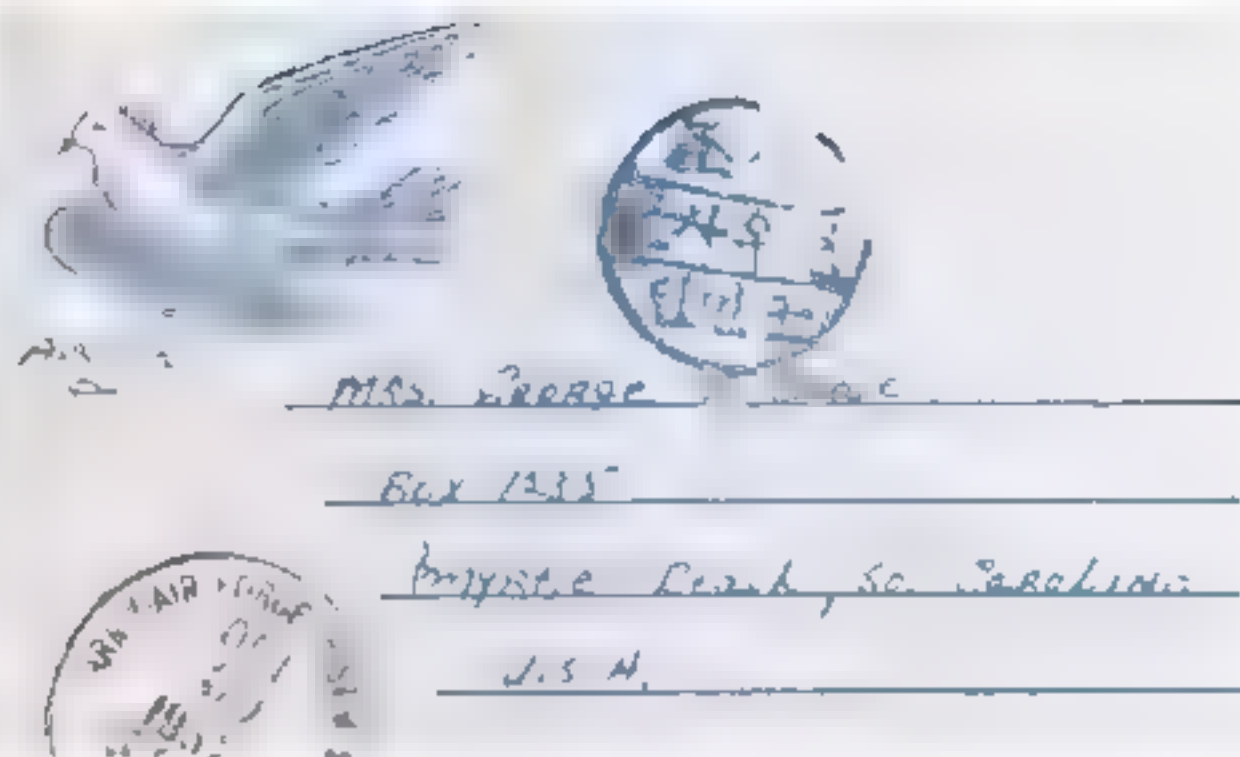
If you suffer from pain of
ARTHRITIS or RHEUMATISM,
ask your physician about Bufferin.

Don't miss the Ken Murray Show and the Alan Young Show on "Time to Smile"—CBS-TV.

THE COMMUNIST PEACE DOVE...

LIFE

Vol. 34, No. 15 April 13, 1953



This letter, meticulously postmarked by a Communist jailer, was written by a captured American airman now held in a North Korean prison camp. It passed from Communist to U.S. hands at one of the sporadic mail exchanges in the neutral zone at Panmunjom and, like all such letters, it bears the ironic imprint of the Communist dove of peace.

Last week that same Red dove was making remarkably dulcet noises. Through the mouths of Communist leaders from Moscow to Peking it cooed new and tempting blandishments (p. 30), talking of truce in Korea and peace in the world as though such a happy millennium was within easy reach. To the U.S. this cooing brought hope, and with it doubt and wild surmise. To the addressee of the letter, a young mother who is the prisoner's wife, the talk of peace helped nourish a weary optimism; she could not help but share the nation's doubts as to the sincerity of the Red peace proposal. But the Communists had opened their negotiations, on the basis of something special to her: the exchange of Korean war prisoners.

...AND THE WIFE OF A PRISONER OF WAR



The worst time for Dot Beale, whose prisoner husband wrote the letter shown above, is at night, when she waits for sleep to come. Then she ticks off the events in her short married life. Dot met Bill Beale seven years ago, when he was at The Citadel, military college at Charleston, S.C. She was married to him three years later, after he got his commission. For a happy time they traveled the Air Force training route from post to post until, in February '51, it came Bill's time to go overseas. He went to Okinawa, a lieutenant and radar operator in a bomb group.

In August Dot got the news. Bill's B-29 bomber, carrying 11 men, had gone down over North Korea—and 11 chutes had been seen to open. For

agonizing weeks Dot would wonder "if he was hiding, hurt or hungry. Or dead." In December she learned that Bill was a prisoner. Now she knew Bill was alive, but she worried about the kind of treatment he was getting at the hands of so strange and cruel an enemy. All Dot could do was try to build a normal life. She and her 3-year-old son Billy were living with her family in Myrtle Beach, S.C. Studying each scrap of war news, she had to learn to put up with her friends' complacent ignorance of it. And impatiently waiting for the meager bits of mail from Bill—three letters so far—she spends her time sorting out gay news from gloom and putting the former into long letters that she knows he may never see.



"The season is opening here," Dot wrote chattily in her last letter to Bill, "and Billy keeps me aware of it by wanting to go to the amusement center. He gets so excited at the little cars. I have to laugh at the way he rides in one and is already looking around to see what he can ride next."

SHE TELLS BILL SOME THINGS;



"I bought that thing you mentioned," Dot went on, knowing Bill will understand the cryptic reference. He had written that if she wanted to buy a car she should get a Ford Victoria. Dot did. Somehow she feels that news like this is not for the eyes of a Red censor.



"I went to the dentist the other day, and, thank goodness, I have no work to be done. Now that it's spring I'm starting to do regular work helping out down at mother's dress shop."



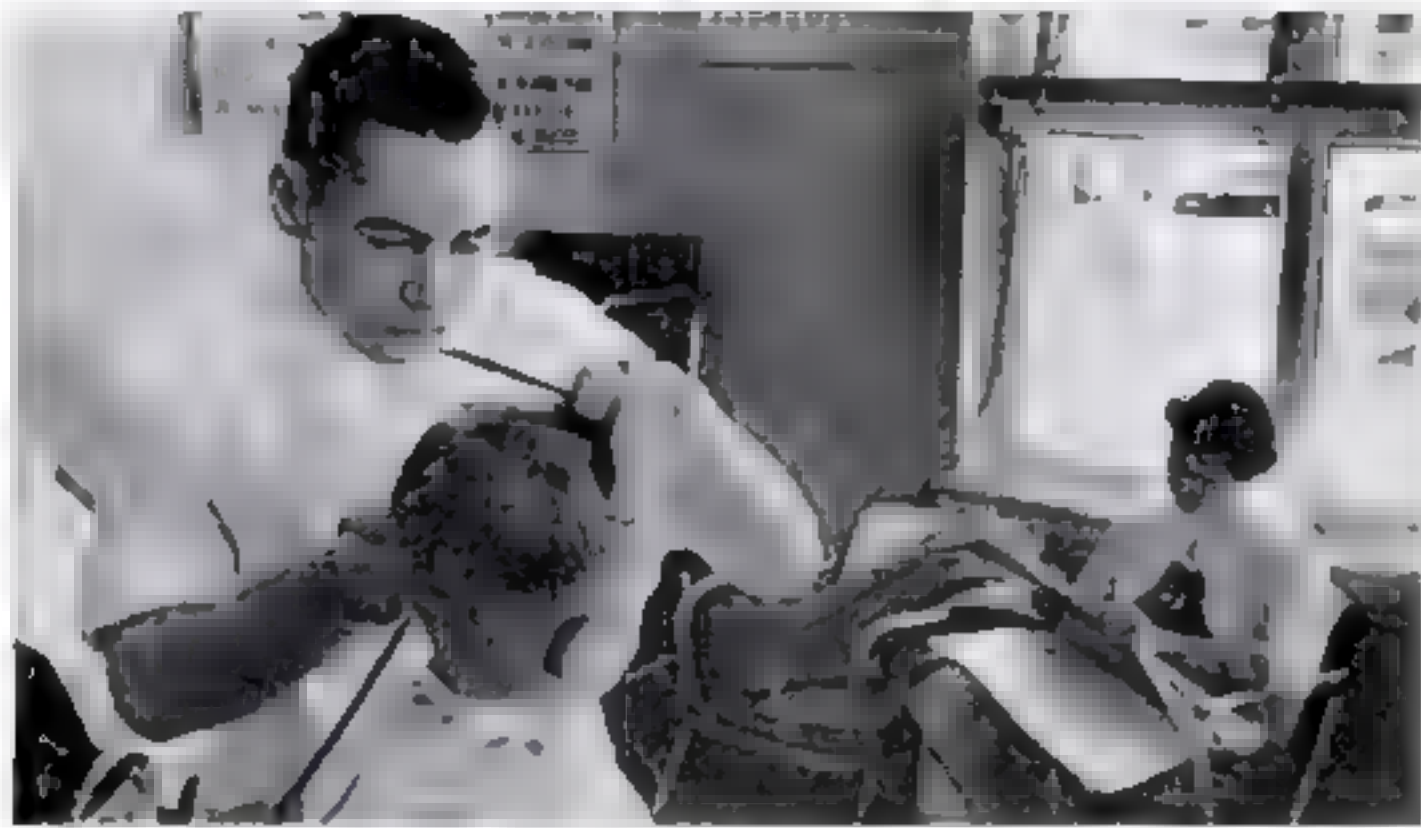
"It's a joke the way I have to race Billy to bed—we have to bend over and go through the 'ready, get set, go' routine. But the idea of racing is a fine way to convince him that it's bedtime."



"Billy is so sweet about saying his prayers for your safe return. He's begun to sleep in the big bed now. Before he'll go to sleep I have to read a bedtime story. That large Teddy bear he had in California

has to sleep on one side of him and an equally large reindeer has to sleep on the other. Some nights I wonder how on earth he manages to find room for himself in all that zoo."

OTHERS ARE BETTER WITHHELD



Some of the things that Dot instinctively feels she should not put in her letters are as simple as her trips to the barbershop with Billy—a man's job which her husband would normally do. "The minute I walk into the barbershop—it's always filled with men—the conversation whams down," she says.



Though she writes a lot about Billy's fine games on the beach, Dot is careful not to mention her own long, lonely walks on the shore. These often take her to an old boat hull where Bill once gave her his Citadel ring. She finds such walks help her think things out and make her feel closer to Bill.



Food, especially fancy party food, is a subject that Dot tries to steer very clear of in her letters to Bill because she has to assume that he cannot be eating very well. At a steak fry at her father's

outdoor grill the other night she was sitting alone and thinking of Bill, as usual. Then she thought of the steak she was eating and suddenly it seemed to stick in her throat.



Once in a while when Billy acts up and tramples a flower bed or something, it is up to Dot to switch him a little. Knowing Bill would think this too was his job, Dot leaves it out of her letters.



"Your personal effects got here fine," Dot said in one letter; she did not say that she goes over them often and cries a little at seeing and touching such tangible memories of Bill.



REDS ARRIVE AT PANMUNJOM TO GET U.N. REPLY ON PRISONER EXCHANGE

RED WORDS ARE FAIR—WORLD, AND BEALES, WAIT FOR ACTION

The Communist peace chorus, which raised the world's and Dot Beale's hopes, started at Stalin's bier.

► On March 9 Premier Malenkov, burying his predecessor, pledged his own regime to a policy of "living in peace with all countries." On March 15, asserting that the world's problems could be settled peacefully, he added, "This is our attitude toward all states, among them the United States of America." Since this was the standard Communist way of double-talking on peace, the West was not impressed, or even much interested.

► On March 19 the talk became more interesting. East Germany's Russian boss, General Vassily Chuikov, in a surprisingly polite note, said he was sorry his MiGs had killed the crew in shooting down an unarmed British plane and invited Britain—later France and the U.S. too—to a conference to prevent "such regrettable incidents." On March 31 he said in a letter that Russia is eager to conclude a German peace treaty and cooperate in the unification of all Germany. Simultaneously he unsnarled the red tape delaying Berlin traffic.

► On March 28 North Korea's Premier Kim Il Sung, belatedly answering an old proposal by General Mark Clark wrote that "our side . . . fully agrees to your side's proposal to exchange sick and seriously injured prisoners of war." He also suggested "the smooth settlement of the entire question of prisoners of war, thereby achieving an armistice in Korea."

► On March 31, Red China's Premier Chou En-lai offered a specific concession which could make new talks fruitful. He made a proposal, similar to one passed last December by the U.N. Assembly, that prisoners unwilling to return to their Red homelands be sent instead to a neutral state.

► On April 1 in Moscow, Foreign Minister Vyacheslav Molotov gave his blessing to new Korean truce talks, saying, "This proposal allows . . . for an armistice in Korea." Earlier, on March 20, Molotov had volunteered to help secure the freedom of 10 civilian Britons captured in Korea in 1950. On his intercession 14 Frenchmen captured in Korea were reported freed.

► On April 1 in New York the Soviet U.N. delegate, Andrei Vishinsky, after vetoing two of the West's candidates to succeed Secretary General Trygve Lie, quietly accepted a third, Dag Hammarskjold of Sweden.

► On April 4 the Red good feeling reached even into Moscow. Lavrenti Beria, minister of internal affairs and boss of the secret police, publicly exonerated 15 imprisoned Russian doctors, nine of whom had been denounced as "confessed murderers" of Soviet leaders only two months earlier. He said that evidence against the doctors, most of them Jewish, had been obtained by methods "impermissible and strictly forbidden by Soviet law," and that their false accusers would be punished.

The amazed world—and Dot Beale—could only watch, wishing the peace drive would prove genuine but fearing it wouldn't. It was a time, as Eisenhower said, to take it "at face value" until proven untrustworthy.



"I took Billy down to The Citadel to show him your old school," wrote Dot, "and he was impressed by the drill." Trying to keep Billy aware of his father, she pointed out Bill's old room. She also took Billy to his Sunday school (below). "That's what he looks forward to," she said.





"He looks like a little man when he goes outdoors." Dot wrote in one of her letters, "but I really don't know why I dress him up in his Sunday best. When he comes home he looks as if he had mopped the floor." As for herself, Dot is collecting a trousseau for a second honeymoon against the day when Bill comes home.

A REPUBLIC TO BE PRESERVED

CEASE-FIRE WILL BE WELCOME BUT ANY SETTLEMENT MUST GUARANTEE KOREA'S INDEPENDENCE

Everyone—including the Communists—seems to want an end to bloodshed in Korea. So do we. The President has said the enemy's overtures should be taken at face value until proven untrustworthy. Cease-fire may be sounded there soon for the first time in almost three years.

If there is a truce, Americans should remember a fact as simple as it is striking. The North Koreans have lost this war. When it began there were about eight million people in North Korea. Now there are not more than five million, the very old, the very young, together with the women and children. (More than a million North Koreans have fled or escaped through the battle lines to South Korea). Of one million enemy troops in the battle lines, at most 20% are North Koreans. The government of North Korea is a puppet, its territory occupied and defended by its occupiers—the Chinese Communists. The new proposal for an armistice came not from any official of the "Korean People's Democratic Republic," but from the premier and foreign minister of Red China, Chou En-lai.

South of the 38th Parallel there are almost 25 million Koreans. They have now 14 divisions in the United Nations forces, more than 400,000 men in arms. The government has often shown its independence by opposing policies of the United Nations and its commanders. Free Korea has survived invasion and liberation. It exists and its existence raises a question: what happens now to the Republic of Korea?

An armistice or cease-fire in Korea can give no permanent answer to such a question. Indeed, as Walter Lippmann said last week, we may be as unprepared for peace as we were to make war. Once the sick and wounded and other prisoners are repatriated and the lines between the armies demarcated, there will be an enormous temptation to forget all about Korea. Pressure will be brought upon the U.S. and the U.N. to hurry up and get a quick settlement. The isolationists will be ringing a new change on a cracked chime. We can hear them saying—"We oughtn't to risk another American even for a million Gooks." The word "Gook" vanished from the GI vocabulary when the Korean took his place in the battle line, proving himself a fighting man equal to any in the world. There are no Gooks on our side, period. Less crude and conscienceless, much more human and natural will be the reaction of those who are just sick and tired of war, taxes and troubles overseas. Who wouldn't like a quick settlement in Korea!

There will be more trouble from the sophisticated minority who never lack the will or the means to spread confusion. Among

these can be included new-style appeasers, who argue that we must avoid World War III at any cost—and certainly at the price of a permanent solution in Korea. The pseudo-realists and the super tough-minded will be heard contending that power is power and the battle line should determine the final

absolute safeguards to assure their freedom.

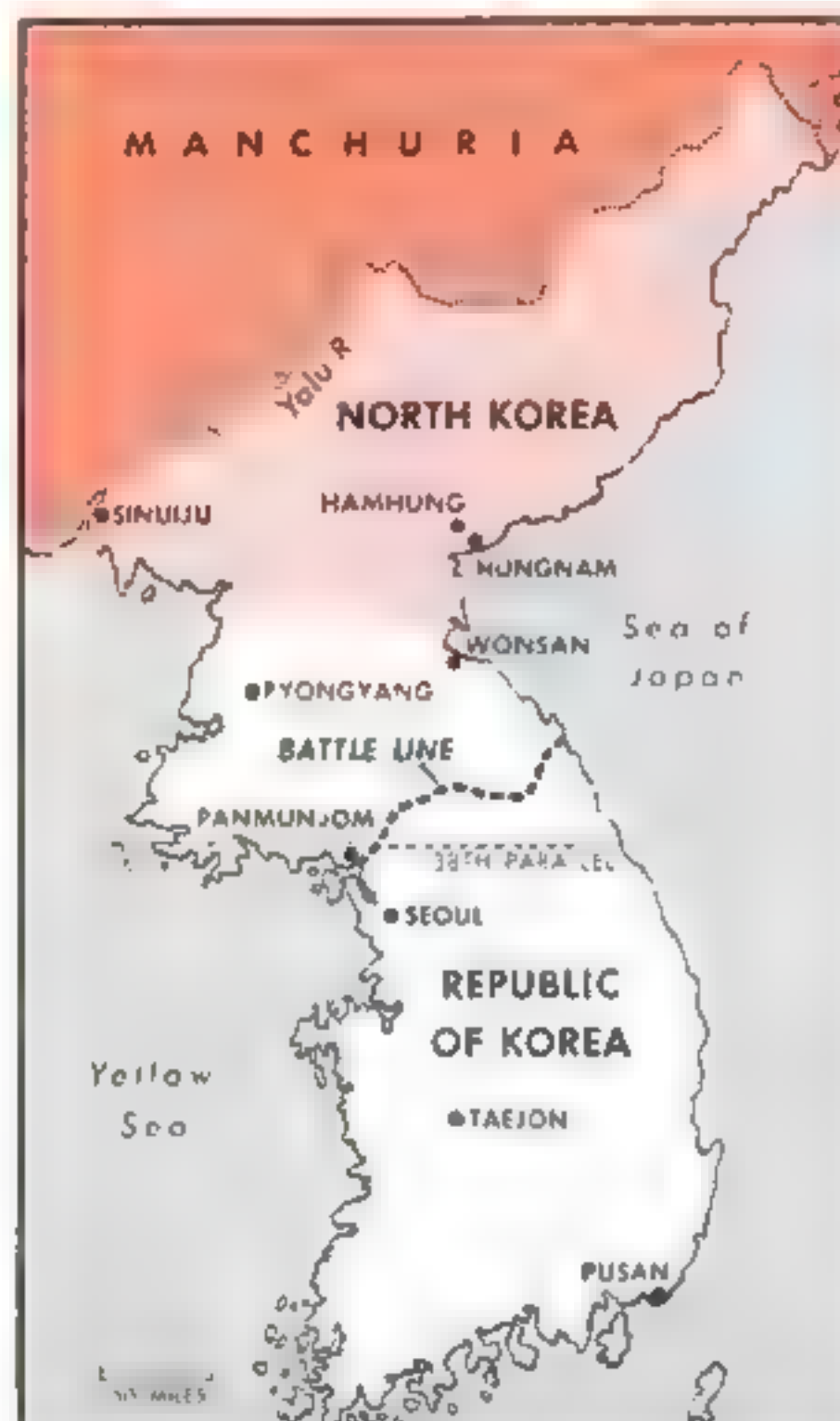
Objection will be raised that this is not practical. It will be said that the Soviet Union and Soviet China can never accept defeat in battle and admit guilt for aggression. If we believe Korea for the Koreans is the right solution, the U.N. can never admit the validity of such an objection. We repeat, our negotiators should never settle for anything less than all of Korea for the Koreans.

No other solution is likely to prove permanent. Only one other settlement offers the Republic of Korea a chance for survival. This is an agreement which would give Free Korea a defensible frontier—a frontier not on the battle line or the 38th Parallel. Such a defensible frontier is the narrow 90-mile waist of the Korean peninsula. It could be manned in strength enough to deter future aggression. Such a solution would not be permanent, but with this as a minimum, the Koreans would have an opportunity to develop freedom and independence. Short of such a frontier it is difficult to see how any truce along the present battle line can be more than an uncertain nervous armistice likely to erupt again into battle on the slightest provocation.

The fate of the Republic of Korea decides the fate of Asia. If as a result of the Korean war the independent and freedom-seeking people of that country achieve real independence, it will encourage other Asians. A cease-fire in Korea does not mean a cease-fire in Indochina. It does not end jungle fighting in Malaya. It does not guarantee that the Communists will cease to agitate in the Philippines or in Japan. If the Republic of Korea is the obvious loser, if it fails to achieve independence and security, how can other peoples of the Orient hope for freedom?

One test of Communist good faith and their professed intentions must be a willingness to negotiate. New agreements must settle something rather than pave the way for new aggression. After Yalta, Poland lost her freedom; after Potsdam the Balkan nations became satellites. A good test of enemy intentions will be willingness to make concessions. The test can be immediately applied to the Republic of Korea.

To put Communist intentions to this test requires determination at the conference table, steady nerves and a stiff backbone. It requires us to show leadership and exert persuasion with our friends and allies. They, like ourselves, have a moral commitment to the Republic of Korea and they, like ourselves, will decide the fate of Asia by their ability and willingness to meet that commitment. If we hope to keep the independent and freedom-seeking peoples of Asia free, we must assure the freedom of the independent and freedom-seeking people of Korea.



A DEFENSIBLE FRONTIER for Free Korea would be anchored on Wonsan, not the battle line.

settlement. They will insist that like the British we ought to recognize Soviet China. They will be ready to forget the world's condemnation of aggression by Communist Korea and Soviet China's intervention for the aggressors and against the U.N.

Such arguments will confuse what at best can be only an uneasy truce with a peace settlement. Peace, let us remember, can only be obtained by a permanent solution of the Korean problem. What is a permanent solution?

The only valid permanent solution for Korea is the establishment of a free and independent Republic of Korea embracing all of that country's ancient territory. Left alone, this is one thing on which Koreans could agree. Their history confirms this. They were occupied by the Chinese in the Second Century B.C., but they have never been conquered in spirit. They have remained stubbornly Korean—a difficult, quarrelsome lot who are known as the "Irish of the Orient." In principle the U.N. should never settle for less than all of Korea for the Koreans and



CROSSED HATS, CROSSED PIPES AT 1/20TH OF A PACE

The art of diplomacy has always been akin to the art of dueling with words, postures, policies. Last week France's Premier Mayer was in the U.S. with France's Ambassador Bonnet fencing with President Eisenhower and other top officials. After three days of cordial negotiation, Mayer, *en garde*, agreed to a U.S. demand that France ratify the European Defense Community Treaty, provided, of course, that his government

survives long enough to do it. He parried by asking a U.S. commitment to help France solve its troubles in the Saar and Indochina. The U.S. riposte was a promise to consider these problems once the E.D.C. pact is ratified. His visit over, Mayer (*above, left*) had a farewell huddle aboard the *Ile de France*. The two diplomats' hats overlapped and their pipes crossed in a design that suggested the crossed foils of friendly fencers.



TWO MOUNTED STATE POLICEMEN IN SAO PAULO GO INTO ACTION AGAINST DEMONSTRATORS TRYING TO SCRAMBLE INTO NEARBY BUILDING FOR SAFETY

ANTI-PRICES

Police swords and clubs smash
Brazil's 'march of empty pots'

São Paulo, the south Brazilian metropolis which is proud of its rapidly rising skyline (LIFE, April 5, 1948) was seething because of its still more rapidly rising cost of living. Continued inflation had brought real wages so low that most families could not afford to have meat for dinner more than once a week. Two hundred thousand workers went out on strike.

Last week the strikers and the unemployed

converged on Praça de Sé, a square in the financial section for a 'march of the empty pots' on the governor's palace. Saber-carrying mounted police, truncheon-carrying plainclothesmen, and hose-wielding firemen converged on the crowd, which fought back with umbrellas and bricks. Fifteen people were injured before a downpour of rain cleared the square and abruptly restored uneasy peace to São Paulo.



BLOW BY SABER comes down on the head of a demonstrator at a bus terminal in the Praça de Sé where the hunger march was supposed to take its start.



BLOWS BY BILLY are directed by three plainclothesmen at a hapless citizen caught against steel shutter which had been prudently lowered by a shopkeeper.



SMOLDERING BURNED-OUT HUTS AND 150 MUTILATED BODIES WERE ALL THAT WAS LEFT BEHIND BY MAU MAU RAIDERS ON SETTLEMENT OF LOYAL KIKUYU

ANTI-WHITES

**Raiding Mau Mau slaughter 150
loyal to the Kenya government**

Kenya, where the murderous Mau Mau have sworn to drive all white men out of the country, last week suffered the most sanguinary of the Mau Mau thrusts. Disguised as policemen the terrorists made their way into a settlement of Kikuyu loyal to the whites and the Kenya government. Then, they chopped to pieces 150 men, women and children. On the same night they raided a police station and made off

with a large quantity of arms and ammunition.

White settlers and the loyal Home Guard rounded up thousands of suspects. But they knew that with Sten guns to replace their knives the Mau Mau had passed beyond the stage of isolated terrorist acts and were engaged in full-scale insurrection. White children were being evacuated from Nairobi and its streets echoed day and night to heavily armed patrols.



ARMED PATROL leaves a compound of the same type as the one struck by the terrorists to round up suspected Mau Mau from the nearby countryside.



DISARMED KIKUYUS are gathered in compound. According to authorities, 200 have been identified by survivors as having taken part in the massacre.



← **THE CASKET** has Queen Elizabeth's wreath on top, her mother's and sister's wreath on platform.

IN WINDSOR'S

QUEEN MARY IS LAID TO REST



A FRIEZE OF DUKES, Edinburgh, Windsor, Gloucester and Kent, grief deep in their faces, slowly follow the coffin through the streets of London from

Marlborough House to Westminster Hall for the public funeral ceremonies. More than 120,000 persons filed by the body lying in state in the Parliament building.



BROODING CASTLE at Windsor stands in the night. Royalty of many lands gathered for burial.

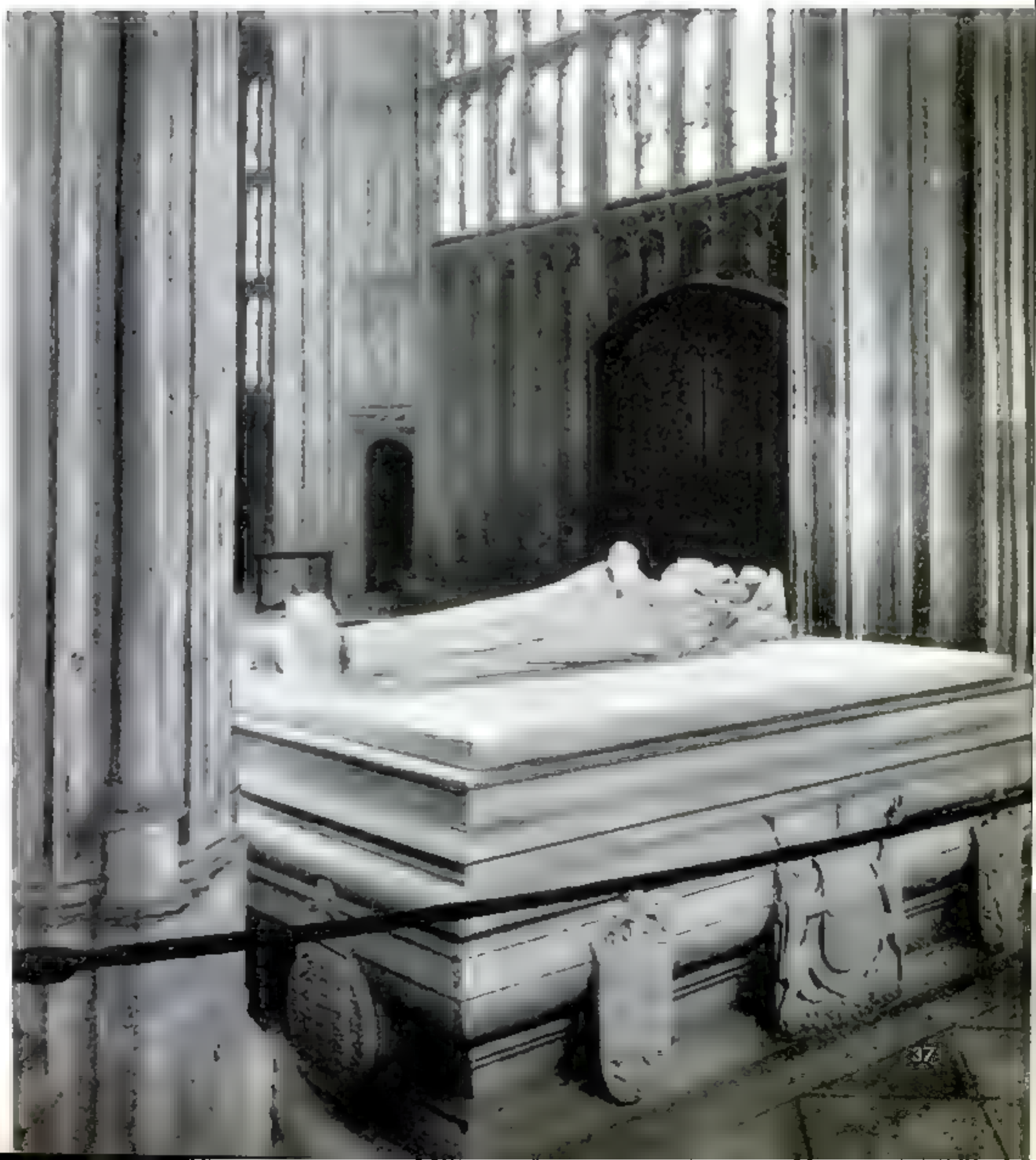
ROYAL VAULT

IN SCENES OF COURTLY SORROW

While church bells tolled, the body of Queen Mary of England, escorted by tall soldiers in ceremonial uniform, was taken from Marlborough House, where she had spent the 17 years of her widowhood, to Westminster Hall where it lay in state. People came and left flowers and some of them wept. They wept because she was a kind lady and she was dead, because she was a link to a glorious past and she was gone. The diminishing ranks of European royalty mustered the best show they could for the burial—King Baudouin of Belgium (who had refused to attend George VI's funeral), Queen Juliana of the Netherlands, Queen Frederika of Greece, Crown Prince Olav of Norway, Prince Bertil of Sweden, along with former King Umberto of Italy and a few more.

For two days the body of the queen remained at Westminster and then it was taken to Windsor Castle. There, while a young queen sprinkled earth, the body of the old queen, a sad and gallant woman who had seen too much of wars and death and sorrows over the bitter and brave years of her life, was laid to rest in St. George's Chapel in Windsor's ancient vault.

THE QUEEN'S TOMB rests beside that of King George V. Her statue, already carved, will be on top. →



SWEATING OUT A LANDING

**Korean veterans want to debark
but order is 'show must go on'**

The armed forces, which in their time have devised many mysterious ways to torture GIs and gobs, showed last week they had a trick or two left. After 28 days at sea the Navy transport *General William Weigel* with 2,238 Korean veterans aboard raised New York harbor at 6 o'clock one evening. Instead of docking the *Weigel* dropped anchor in the bay. There the men, grievously anxious to get ashore and home, were kept aboard to watch Broadway entertainers put on a show. "All we want to do is get off this bucket," griped the men, as the Army accused the Navy of a publicity stunt and the Navy explained the ship was kept in harbor to save docking overtime at night.

At 9:30 a.m., 15½ hours after arriving, the ship docked. Even then the GIs were not let off. There were dockside speeches from the mayor's representative, the Korean consul, a brigadier general, a lieutenant general. Finally the hundreds of relatives who had waited on the dock for hours raised angry cries of "Let 'em off!" From the ship rose an echoing wail, "We want to go home!" The speakers cut it short, a gangplank was hastened up and the vets finally streamed off into anxious arms.



BEST ACT in show was by Helen Gallagher, (LIFE, March 9), who amused even disgruntled GIs.



NAIL-BITING GIs line rails as the ship finally moves in to pier after staying all night in harbor.

Ship, the first routed to an eastern port direct from Korea, dropped Puerto Rican and Colombian



veterans in home countries en route. Nearly all U.S. GIs aboard come from states east of the Mississippi.



WELCOME SIGNS were furnished relatives of GIs by Army press agent, who also supplied the crayons for message writers.



BIG WELCOME is given Pfc. Melvin Winderman, of the 25th Infantry Division, by his cousin, mother, sister and father.

IGNORING MAYOR, who is speaking, father embraces son he spotted at the City Hall ceremonies for New York veterans.





JOLLY JEAN FINNEY, PRESIDENT OF BARMAIDS' ASSOCIATION, BREEZES WITH CUSTOMERS AT ARMAN'S BAR WHERE SHE HAS SERVED UP SUDS FOR 16 YEARS

THE EMBATTLED BARMAIDS

Michigan's barmaids, aroused by a call to battle, gathered to stoutly defend the ancient right of a lady to draw a glass of beer. Ever since 1945 they have fought in courts to stave off a state law that would banish females, except bar owners and their families, from behind bars in larger cities. The law threatened 2,000 barmaids' livelihood and they were indignantly worried. "I'm too old to learn anything new now," explained cheerful, belligerent Jean Finney, chief of the Michigan Barmaids' Association. Said another, "I'll have a hard time

getting a factory job. And I will not be a waitress. I'm safer back here. Out there you have to keep smacking down the customers."

Last chance for the barmaids to appeal to a high court was March 30. They had no funds so they held a powwow, worked up their fighting spirit and raised \$8,161 for a war chest. Now the case may go to the Supreme Court, on grounds such discrimination violates the U.S. Constitution. Michigan's lawmakers are learning what barflies already know—that angry barmaids are tough opponents in any hassle.



BARMAIDS CHEER as they hear their attorney brand antibarmaid law as "a scurrilous piece of

legislation" at a meeting where defense fund was raised. Bar owners agreed, chipped in for the fund.



PRESIDENT BEEFS about plight. Jean Finney urges barmaids to give \$10 each to save their jobs.

GRAND GOOD EATIN'...AND MIGHTY EASY!



Soup for Lunch



CAMPBELL'S CHICKEN NOODLE SOUP
Frankfurters with Relish
Milk



"My Soup Shelf is a WONDERFUL help!"

"Our favorite soups are always on hand for quick meal-planning—especially Tomato and Cream of Mushroom, because these are used so much as cooking sauces, too."

Just 4 MINUTES...and "soup's on"!

Yes, it takes no time at all to have steaming bowls of delicious soup ready! But that's the least of several reasons why millions of women today plan family lunches around Campbell's Soups! For

these great soups give you nearly *everything* . . . wonderful flavor . . . nourishment . . . value. And variety galore...21 delicious kinds to choose from. . . So why not start *today*? Have soup for lunch!

Campbell's SOUPS

SEE IT NOW!



The New Kelvinator Automatic Washer! Washes Dirty Clothes Really Clean!



Even children's dirtiest clothes . . . come sparkling clean from your new Kelvinator Automatic!

Here is a completely automatic washer that gets the dirtiest of work clothes and children's play clothes *really* clean. Yet the washing is so gentle that you can safely trust your finest underthings to its care.

This new Kelvinator has a special . . . and different . . . washing action—"Shampoo Washing." It's based on the same method you use when you wash your children's hair. You wet their hair, add your favorite shampoo, then rub up a rich, creamy lather. This quickly but gently loosens dirt because the washing solution is at full strength.

In the new Kelvinator Automatic, washing starts in rich, creamy suds with the tub only half-full of water. This produces "shampooing" action that really loosens dirt in the grimeiest of clothes. Then, as water slowly continues to fill the tub, the fabrics are flexed up and down and around by the "X-Centric" agitator and gently rubbed and squeezed by large, soft, pliable rubber fins, giving a washing action similar to the gentle rubbing and squeezing of hand washing. See it demonstrated!



WIN A FREE VACATION FOR YOUR FAMILY*!



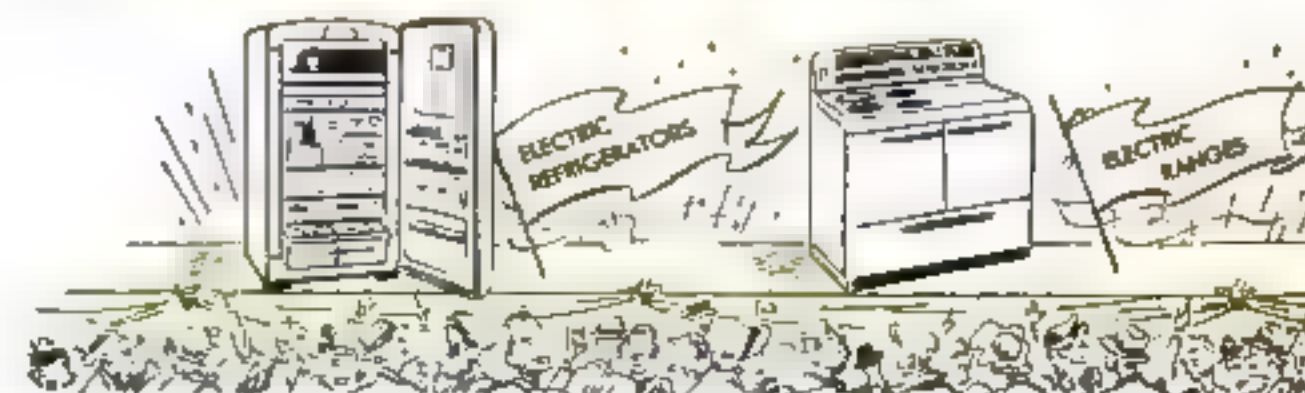
In Kelvinator's "Homemaker's Holiday" Contest! 904 Prizes Every 2 Weeks! 5424 Prizes in all!

Here's your chance to win a vacation for your entire family! Every two weeks until July 3, 1953, Kelvinator is awarding four \$1000 vacation prizes to the grand winners in this great contest, twenty-four grand prizes in all! In addition, Kelvinator home appliances and cash awards will be given to 900 lucky winners *every two weeks*. So enter

now! You don't have to buy anything. Just see your Kelvinator dealer for your entry blank and complete details.

6 contests in all. 1st closes April 25, 2nd, May 9; 3rd, May 23; 4th, June 6; 5th, June 20; 6th, July 3.

*24 Top winners will be awarded \$1000 each for their vacations.



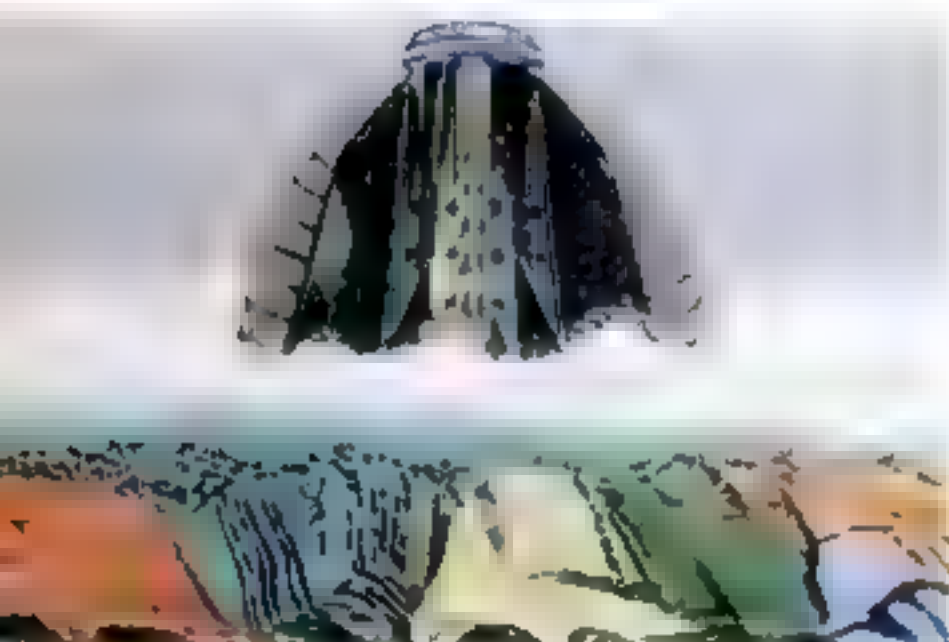
*So gentle - safe
for finest underthings!*



Imagine a new Kelvinator Automatic Washer in your home! The name Kelvinator has always stood for the finest in refrigerators, ranges, and freezers . . . and today Kelvinator brings you kitchen

cabinets, cabinet sinks, "Electro-Drain" garbage disposers, room air conditioners, water heaters, dehumidifiers, ironers and wringer washers. See these new products at your Kelvinator Dealer's!

BETTER BECAUSE OF SUPERIOR WASHING FEATURES!



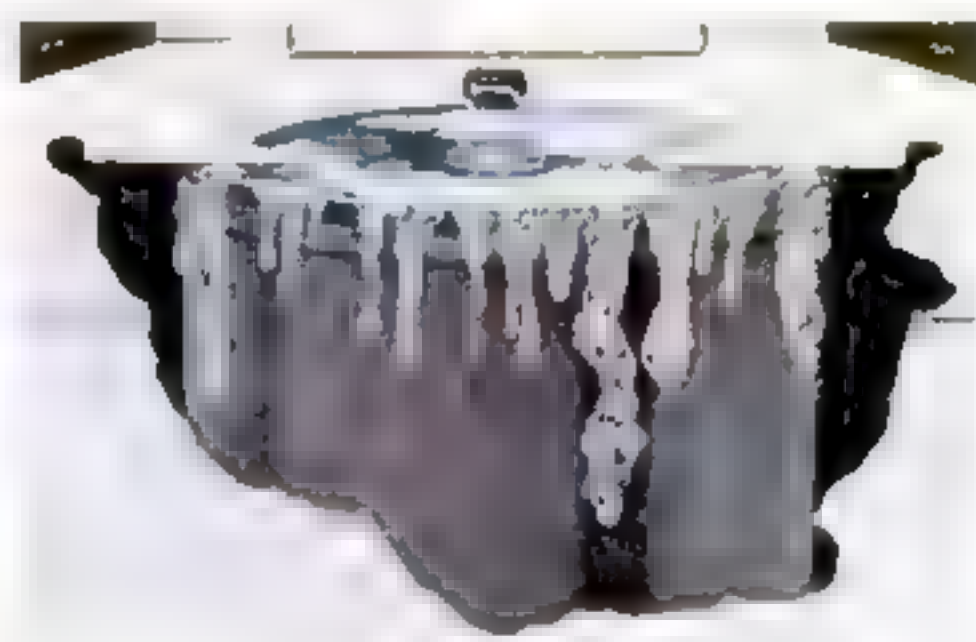
1. SHAMPOO WASHING

In the new Kelvinator Automatic Washer, washing action begins with only half a tub of water and the full amount of soap or detergent. Thus your fabrics are shampooed as the tub slowly fills with water. Stubborn dirt from the grimeiest clothes is loosened to be washed away, leaving white fabrics really white and colored ones brilliantly colorful. With the new Kelvinator you can use either soap or detergent. Add it to *dry* clothes as they are put to wash. No going back to add soap!



2. "X-CENTRIC" AGITATION

The "X-Centric" action of the new Kelvinator Automatic imitates the way you hand-wash clothes. It lifts the clothes up . . . then pushes them down . . . all the time gently flexing them back and forth to loosen dirt and rinse it away. Kelvinator's rubber-finned agitator moves in an off-center circle, constantly moving clothes 'round and 'round. Wash loads are distributed evenly. The load is automatically balanced, eliminating vibration. The new Kelvinator Automatic needs no bolting down.



3. OVERFLOW RINSING

You've seen, when you've laundered clothes, how soap scum always rises to float on top of the water. In the new Kelvinator Automatic Washer, soap scum is rinsed away by adding water so it overflows the washer tub, floating soap and dirt off with it. A splashing rinse then splashes out any remaining traces of dirt and soap. This leaves clothes so clean and sparkling you'll hardly believe your eyes! Your Kelvinator then spin-dries your clothes automatically, leaving them damp-dry and drip-free.

- Completely automatic • Short water fill for light loads • Washes 9 pounds • Top loading • Automatic stop when lid is lifted
- Signal light tells when machine is running • No bolting down • No oiling • No gears • Spins clothes 25% dryer than most efficient wringer

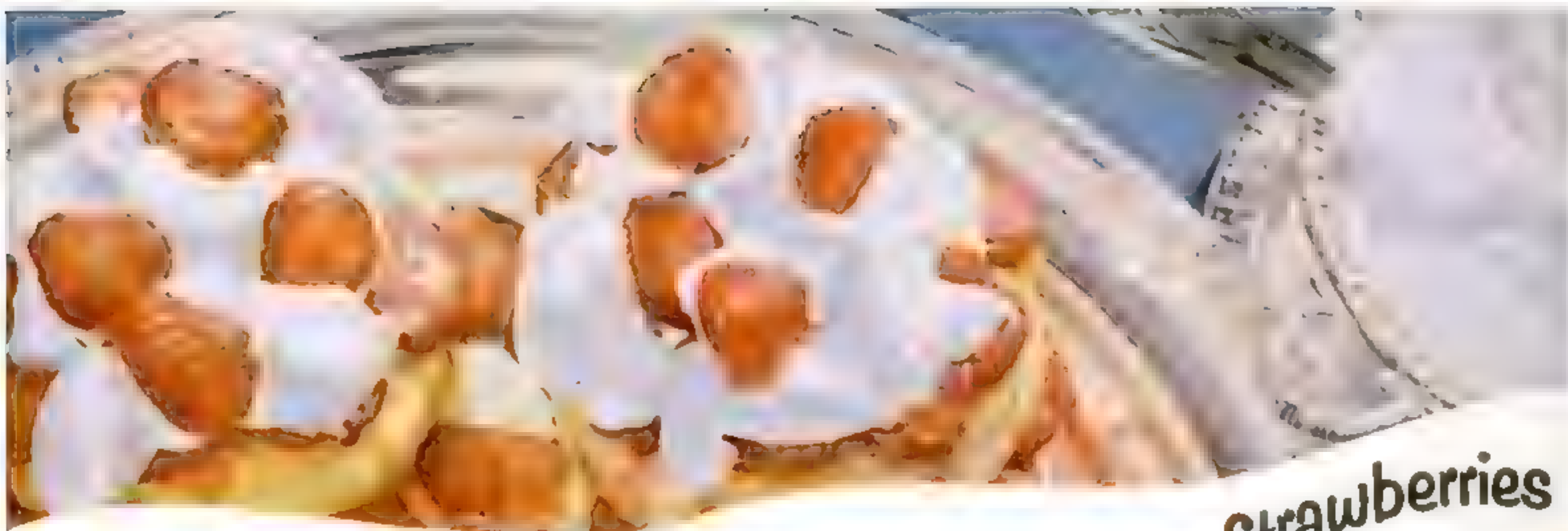
Make Washday a Holiday—

IT'S TIME TO GET **Kelvinator**

Division of Nash-Kelvinator Corp., Detroit 32, Mich.

and join the Kelvinator Parade to Better Living!





There's something "special" about Birds Eye Strawberries



"Look at 'em! Eat 'em!
No berries can beat 'em!"



Copyright 1963, General Foods Corp.



Compare!
12 full ounces!
More for your money!

Product of General Foods

Look at that special color!

One glance at their rich red color tells you that Birds Eye berries are ripened to luscious sweetness *on the vines!*

Taste that special flavor!

Birds Eye washes, slices, sugars, freezes the berries within *minutes* of picking time!

Enjoy that special lusciousness
dozens of ways!

Grandest strawberries you ever ate "as is."
Superb on cereals, ice cream. Heavenly for shortcake, *any way you serve 'em!*

In frozen foods... Better Buy Birds Eye and get that something

special

MARY'S MIGHTY MEGAPHONE

Once again Miss Pickford takes it up to spur sale of government bonds

It was like a retake. It was the same Mary Pickford standing, megaphone in hand, on the Capitol steps in Washington, and she was giving the same pitch: "Buy government bonds." An oldtimer might be forgiven for thinking he was back 35 years at the start of the Third Liberty Loan Drive of World War I, seeing again the girl who in *Little Lord Fauntleroy* and *Poor Little Rich Girl* had become America's Sweetheart and who, with her megaphone, had become one of the most successful bond salesmen in history.

Determined to celebrate her 60th birthday in a



MARY PICKFORD PUTS ON THE BITE FOR BONDS IN 1918

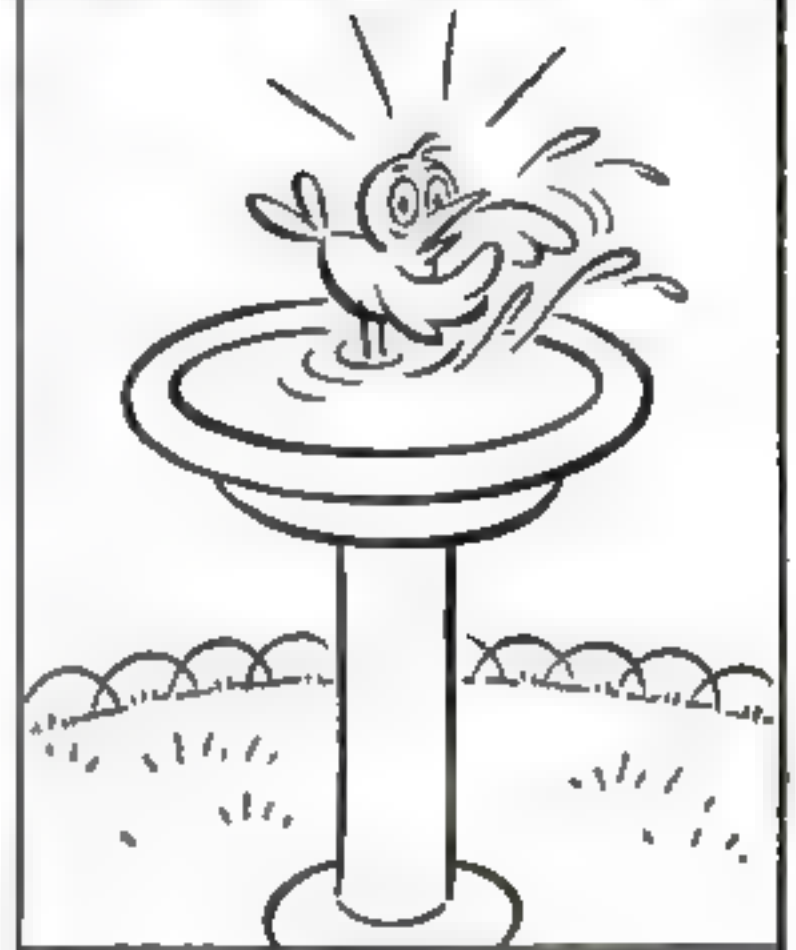
useful manner, Miss Pickford had approached the Treasury Department and offered her services in a six-week tour to promote the bond-a-month plan among American clubwomen. When she was through at the Capitol she went over to the White House to be received by Mrs. Eisenhower. There she served as commentator at the first showing of a special film, made up of excerpts from her long-ago movie successes, which will be shown wherever she stops on her new tour. Next morning the President signed up for an extra bond and Miss Pickford was on her way.



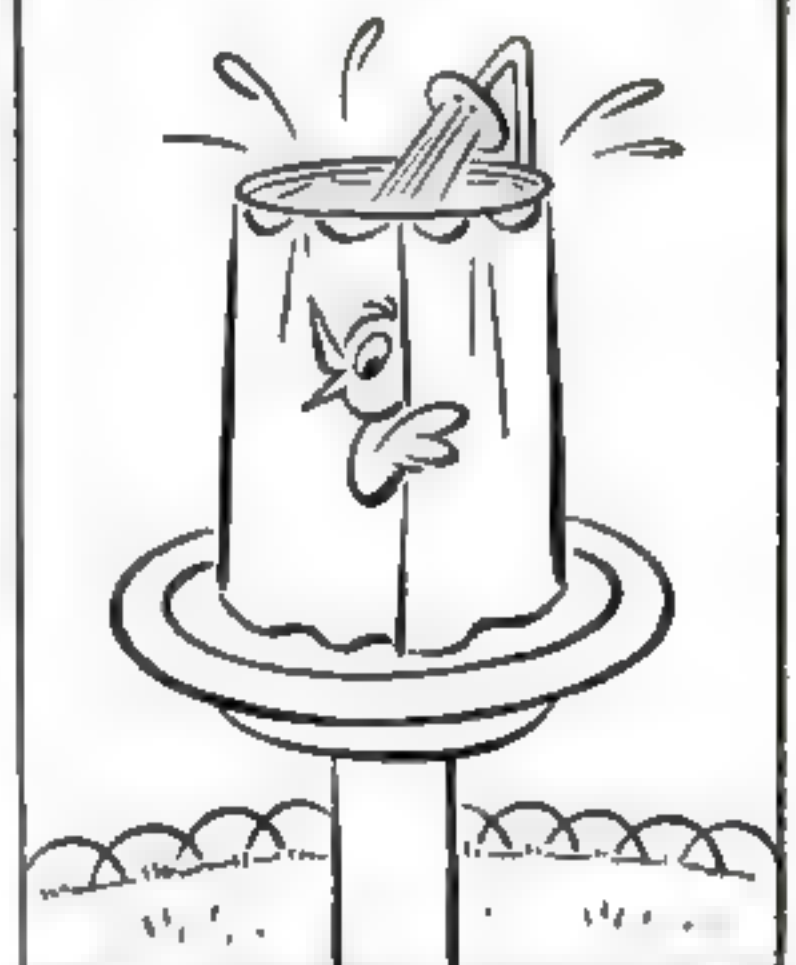
MODERN SALESMAN MARY, holding a megaphone to recall pre-loudspeaker days, starts new bond drive in front

of the Capitol where she launched 1918 bond drive. With her is Representative Edith Nourse Rogers (R., Mass.).

Looking
for
Something?



BATHROOM
ACCESSORIES



FOR HOME OR
BUSINESS NEEDS
LOOK IN THE
'YELLOW PAGES'
OF YOUR TELEPHONE DIRECTORY

New RCA Victor television... now 5 ways finer!

1 UHF-VHF! Click!—there's your station!

RCA, pioneer in UHF TV, now brings you an advanced, built-in multi-channel tuner that's *automatic!* UHF and VHF channels are on the same dial. Compare ease of operation . . . compare performance! (Optional at extra cost.)



THE 21" JEFFREY. Today's most advanced television in the most economical RCA Victor large-screen console. Smartly styled. Mahogany finish (blond slightly higher). 21T313, \$329.50

2



New, automatic
MAGIC MONITOR
Circuit System

Brings in the finest TV pictures possible, and holds them at their finest—*automatically!* Screens out static, steps up power, ties best sound with clearest picture—*automatically!*

and so many ways automatic!

- Automatically tunes in VHF and UHF stations.
- Automatically brings in finest television pictures possible.
- Automatically holds them at their finest—steady, clear, sharp.
- Automatically gets the best sound with the clearest picture.
- Automatically screens out static and other interference.
- Automatically steps up power whenever necessary.

See new RCA Victor television at your dealer's now . . . prices still start as low as \$199.95, including Federal Excise Tax and full-year picture tube warranty.

And remember, for expert TV installation and service—get the finest there is: an RCA Victor Factory-Service Contract . . . available *only* to RCA Victor owners.

See the Dennis Day Show over NBC Television, Friday, 8:00 pm, EST.
For More Comfort, Better Health, Better Living—Get RCA Room Air Conditioning.

Prices shown are suggested list prices, subject to change without notice. Slightly higher in Far West and South. UHF VHF tuner optional at extra cost.



21" BILTON
Modern, in luxurious
lined oak finish.
21T316, \$389.50



21" STAUNTON
Deluxe TV. Mahogany
finish (lined oak,
higher). 21D326, \$465

- 3 Improved RCA "Deep Image" picture tube
Has micro-sharp electron beam plus a phosphor screen so superfine it's coated with billions of tiny crystals . . . gives you fine-grain, *deep-image* pictures.
- 4 New long-distance reception
Steps up picture performance and greatly increases sound sensitivity in far-out fringe areas.
- 5 New, wider range of cabinets
Choose from 42 different combinations of styles and finishes—the most in RCA Victor history: Modern, Contemporary, Colonial, Provincial, Regency, Empire . . . mahogany, lined oak, walnut, maple, and cherry.

"Plugs right in . . . and my
TV set's a phonograph!"

Only \$16.75! "Victrola" 45 automatic attachment plugs into phono-jack built in every RCA Victor TV set. ("Victrola" 3-speed attachment, \$49.95.)



Tmk. ®



Every year more people buy **RCA VICTOR** than any other television

Division of Radio Corporation of America

LIFE ON THE NEWSFRONTS OF THE WORLD

McCarthy's 'negotiations,' Hammarskjöld's election and Einstein's doubts



JAUNTY McCARTHY COMES TO LUNCH WITH DULLES

The Republican administration was once more on the verge of a break-up with Joe McCarthy. The senator had turned his attention to the subject of trade with Red China and proudly announced that he had "negotiated" an agreement with the owners of 242 Greek ships to give up their China trade. Mutual Security Administrator Harold Stassen vigorously accused McCarthy of "undermining" the government's efforts by meddling in matters that were none of his business. Secretary of State Dulles quickly arranged a peace-making lunch with McCarthy and said the ship deal was "in the national interest," while McCarthy, in turn, said he had not really "negotiated" but had just taken part in an "informal understanding." President Eisenhower told a press conference that McCarthy had not really taken over executive functions since he had not committed the U.S. to anything. Stassen was left to say that he was "happy about the conclusion." The McCarthy storm had blown over—but nobody thought it was for the last time.

British Doctor John Morwood has found that some of his asthma patients suffer more from tenseness than from genuine bronchial constriction and can therefore be relieved by semihypnosis. Morwood treated such patients by repeating soothing words over and over for half an hour. But he made himself so sleepy that he has put his asthma cure on records so that his patients can treat themselves.

Einstein builds a dinosaur

In an effort to supply a complete and accurate description of the forces of the universe, Dr. Albert Einstein has come up with four new equations:

$$\begin{aligned} g_{ik} &= 0, & \Gamma_i &= 0 \\ R_{ik} &= 0, & R_{ik} + R_{ki} + R_{li} &= 0 \end{aligned}$$

The symbols stand for complicated time, space and force relationships, and, though Einstein believes they are logically correct, there is not enough mathematical evidence available for him to prove his own theories. Einstein compares his new conclusions to those of a paleontologist who hopefully constructs

a whole dinosaur from two bones. "Who knows," Dr. Einstein says, with the proper scientific skepticism, "I may not even be holding the right bones."

Jonas Salk, the 38-year-old University of Pittsburgh doctor who produced a new polio vaccine (LIFE, April 6), has announced a new flu vaccine. Like the polio weapon the flu vaccine is mixed with mineral oil, may give long protection and, because of the need for additional tests, will not be available for at least a year.

Hammarskjöld gets the nod

In line with a sudden policy of reasonableness (pp. 27-31), Russia last week broke the deadlock in the U.N. Security Council and agreed to the selection of Sweden's Dag Hammarskjöld as the new Secretary General of the U.N. Hammarskjöld, who says "Hammer-shield" is the meaning of his name and also about as close to the proper pronunciation as



HAMMARSKJÖLD

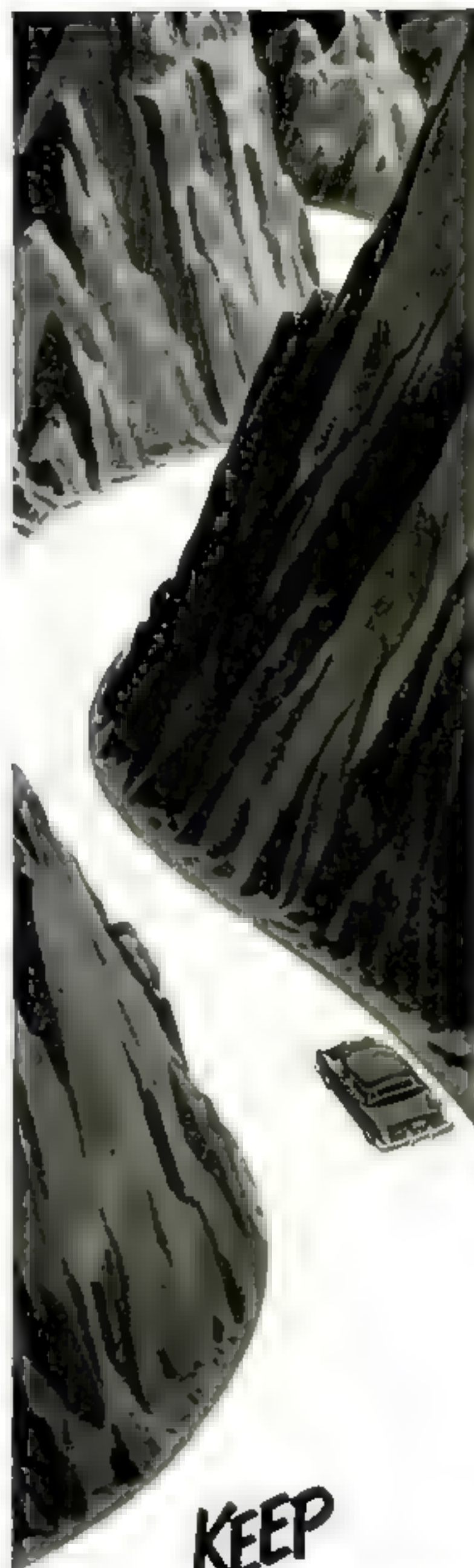
Americans are apt to come, is a 47-year-old economic expert who has served in Sweden's cabinet and U.N. delegation. A dark-horse candidate, Hammarskjöld was as surprised by his nomination as newsmen, who had to worry about fitting his name into headlines.

London Constable Thomas Ledger was walking his beat when he thought he recognized a wanted man. When the man removed his hat, disclosing his bald-domed head, there was no doubt. Constable Ledger had captured John Christie, a quiet clerk who recently disappeared, leaving behind the strangled bodies of his wife and at least five other women hidden around his home and garden. Christie was quickly jailed on the charge of murder.



BALD-HEADED CHRISTIE IS DELIVERED TO JAIL

CONTINUED ON NEXT PAGE



the power you bought!

TAKE THE HILLS IN HIGH!
Squeeze out every ounce of power your car can produce... and get more trouble-free miles between changes, too. How? Just switch to a brand of 100% Pure Pennsylvania Motor Oil, made from Nature's finest crude oil.

ASK for a brand of

100% Pure
PENNSYLVANIA
Motor Oil

PENNSYLVANIA GRADE
CRUDE OIL ASSOCIATION
Oil City, Pennsylvania



The LESTER Piano is the Official Piano of The Philadelphia Orchestra



LESTER *Betsy Ross Spinet*

MAKE YOUR OWN MUSIC

Music that you play yourself has no equal.

Music that you play on the Lester Betsy Ross Spinet is the most satisfying of all!

For children and adults; for beginners and accomplished pianists... the genuine Betsy Ross Spinet is the ideal choice. With revolutionary Amplified Tone, today's models possess tonal quality approaching that of a Grand. They are musically excellent in every respect just as they are decoratively perfect in traditional and contemporary styles.

Look for the Damp-Chaser®... an exclusive moisture control feature.

Add music to your family life by choosing your favorite Betsy Ross Spinet now. Priced from \$695.00; model pictured \$853.00 in limed oak, f.o.b. Lester, Pa. Your dealer will arrange terms.

Guaranteed for ten years; made ONLY by the Lester Piano Manufacturing Company Inc., builders of world famed Lester Grand Pianos.



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Please send me *Free* literature and style brochure.

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NEWSFRONTS CONTINUED

When his car turned over near New Augusta, Miss., Carl Creel's left arm was broken and pinned under the wreckage. Realizing that he might bleed to death or the car might catch fire before help came, Creel amputated his own arm with a pocketknife, stemmed the bleeding by pressing down on the artery and walked a mile to a farmhouse where he borrowed a car and drove himself to the hospital.



MAGDA LUPESCU AND EX-KING CAROL IN PORTUGAL

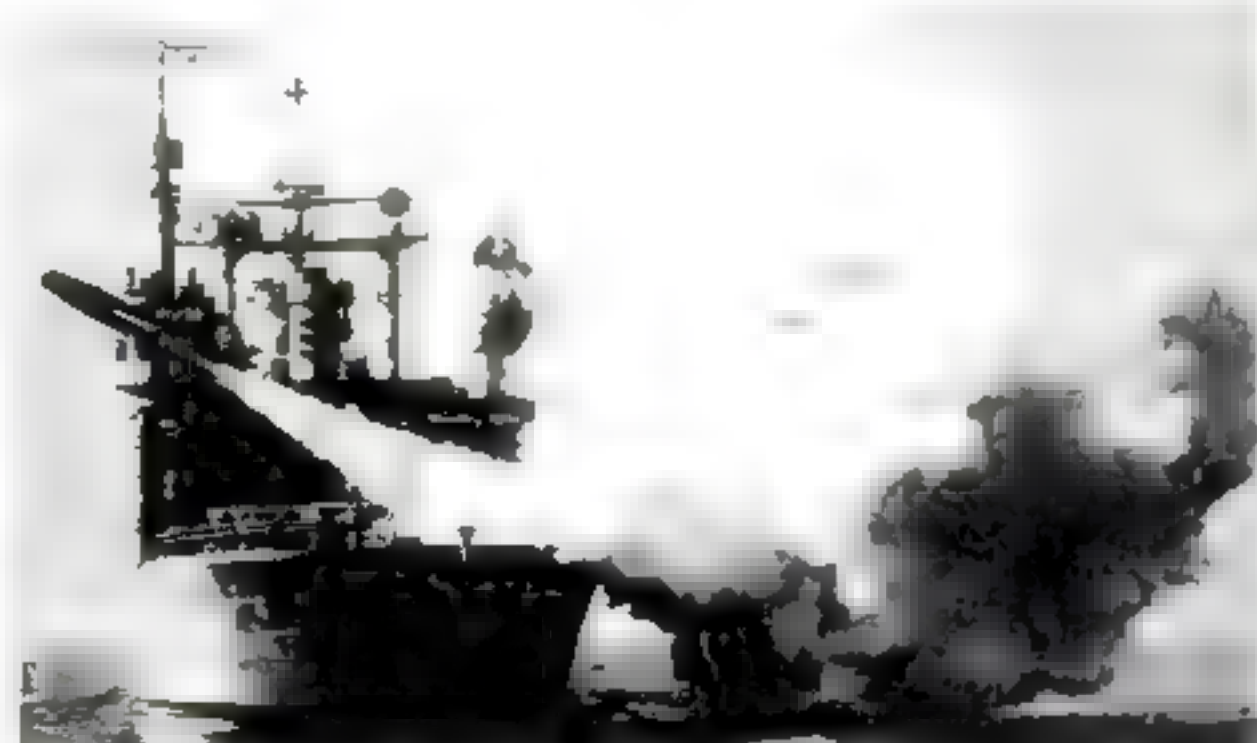
The end of King Carol

King Carol II of Romania was not supposed to be king. His father King Ferdinand disowned him because of "repeated moral delinquencies"; his wife divorced him largely because of his mistress, Magda Lupescu, and the throne was supposed to pass to Carol's son Michael. But in 1930 Carol gave up his trans-European nightclubbing and returned to Romania to depose his son and set himself up as a dictator-king. With Magda still at his side, he built up his army and lasted 10 years before his own fascist Iron Guard forced him to abdicate. Ducking bullets, Carol got out of the country with a good-sized fortune and Magda. Spain, Bermuda, Cuba, Mexico, Brazil, Portugal—the exiled king and his exiled mistress lived everywhere, and in Brazil they were married. When Carol, age 59, died of a heart attack last week in Portugal, he was alone except for Magda Lupescu.

The Oregon School Activities Association has decided that Central High School of Independence, Ore. has been using an ineligible basketball player and must therefore forfeit all the season's games. This is no great hardship since Central's record is no wins, 23 losses.

'Oklahoma!' has a birthday

On March 31, 1943 Broadway got its first look at a new musical that broke all the rules: it had no big-name stars, no bare-legged chorus and, worst of all, it contained a "high-brow" ballet. But except for summer layoffs, the rule-breaking *Oklahoma!*, with its sunny Rodgers-and-Hammerstein songs, has been playing ever since either on Broadway or in road companies—the longest continuous run of any musical in history. Last week in Washington, D.C., *Oklahoma!* had its 10th anniversary. On hand were Hammerstein, members of the original cast and some of the 14 original investors whose \$80,000 ante has so far brought back a profit of \$5,311,520.








REGULUS MISSILE IS FIRED FROM DECK OF SEAPLANE TENDER

After six years of development and tests, the U.S. Navy announced that its guided missile, the Regulus, is now in production. Looking like a jet plane and equipped with a powerful warhead, the 30-foot Regulus is so designed that it can be launched from ships down to submarine size.



THE STOLEN TREASURE... A Captain Jolly Adventure

<p>WHO'S BEEN IN MY PRIVATE STOCK? WHO TOOK MY CORN FLAKES WITH THE MAGIC SUGAR COAT?</p> 	<p>THE MATE S-SWIPED IT, SIR! HE SAYS THE NEW, IMPROVED CORN-FETTI IS THE CRISPEST CEREAL THAT EVER MET UP WITH MILK!</p> 	<p>HE'LL MEET UP WITH AN OCEANFUL OF <u>WATER</u> WHEN I CATCH HIM! HE'LL <u>WALK THE PLANK</u>!</p> 	<p>THIS CORN-FETTI IS A REAL TREASURE! ALWAYS FREE-FLOWING AND CRUNCHY! WITH MAGIC SWEETNESS YOU CAN'T GET OUT OF ANY SUGAR BOWL!</p> 
<p>GET OUT TO THE END! STAND THERE AND WATCH ME EAT MY CORN-FETTI! THEN JUMP! THAT'LL TEACH YOU A LESSON!</p> 	<p>QUIT DROOLING, MATE! GET YOURSELF A BOWL! I CAN'T BLAME YOU FOR LOVING CORN-FETTI! DOESN'T GET STICKY EVEN IN THE OPENED BOX! DOESN'T GO MUSHY EVEN WHEN YOU DROWN IT IN MILK!</p> 	<p>Post's <i>Corn-fetti</i></p> <p>NEW KIND OF CORN FLAKES WITH THE MAGIC SUGAR COAT</p> <p>Now guaranteed not to get sticky, even in opened box copr. General Foods Corporation Product of General Foods</p>	

Even dried egg yolks vanish

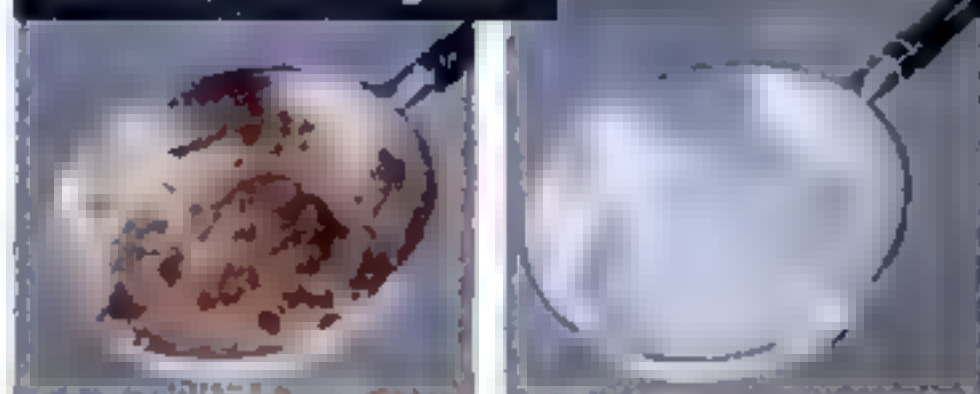
Ask a friend who owns
any other dishwasher
if hers can match
what JAMES can do →

Removes hard, dried egg yolks



Stubborn-stuck foods vanish with vigorous scrubbing of ever-moving, screw-shaped, solid sheets of water.

Removes left-over grease



Most powerful washing action ever developed seeks out tiniest crevices... your sticky skillets glisten.

Removes stuck-on foods



Even pots, pans, and baking dishes get individual "scouring" in torrents of 180° water, come out clean.

Removes lipstick - dries without streaks



Your finest glassware is safely washed, rinsed, then rinsed again in automatically softened hot water.

Removes caked foods - dries spotless



Nothing escapes surging "Walls of Water." Soft water rinse and follow-up radiant drying leave no spots.



How they did it: 1. Dishes loaded at tableside (loose food scraped off). 2. James rolled to sink, connected, turned on (no pre-rinsing). 3. James did the dishes—all 113 of them. 4. James is ready to wheel to cupboard for unloading.

You can let JAMES do it. Entirely mobile—keep it anywhere. No installation of any kind. No kitchen changes. No plumbing. No wiring—just plug into outlet. Water comes from your faucet. Dishwater drains into sink.



"Let **JAMES** do it!" America's

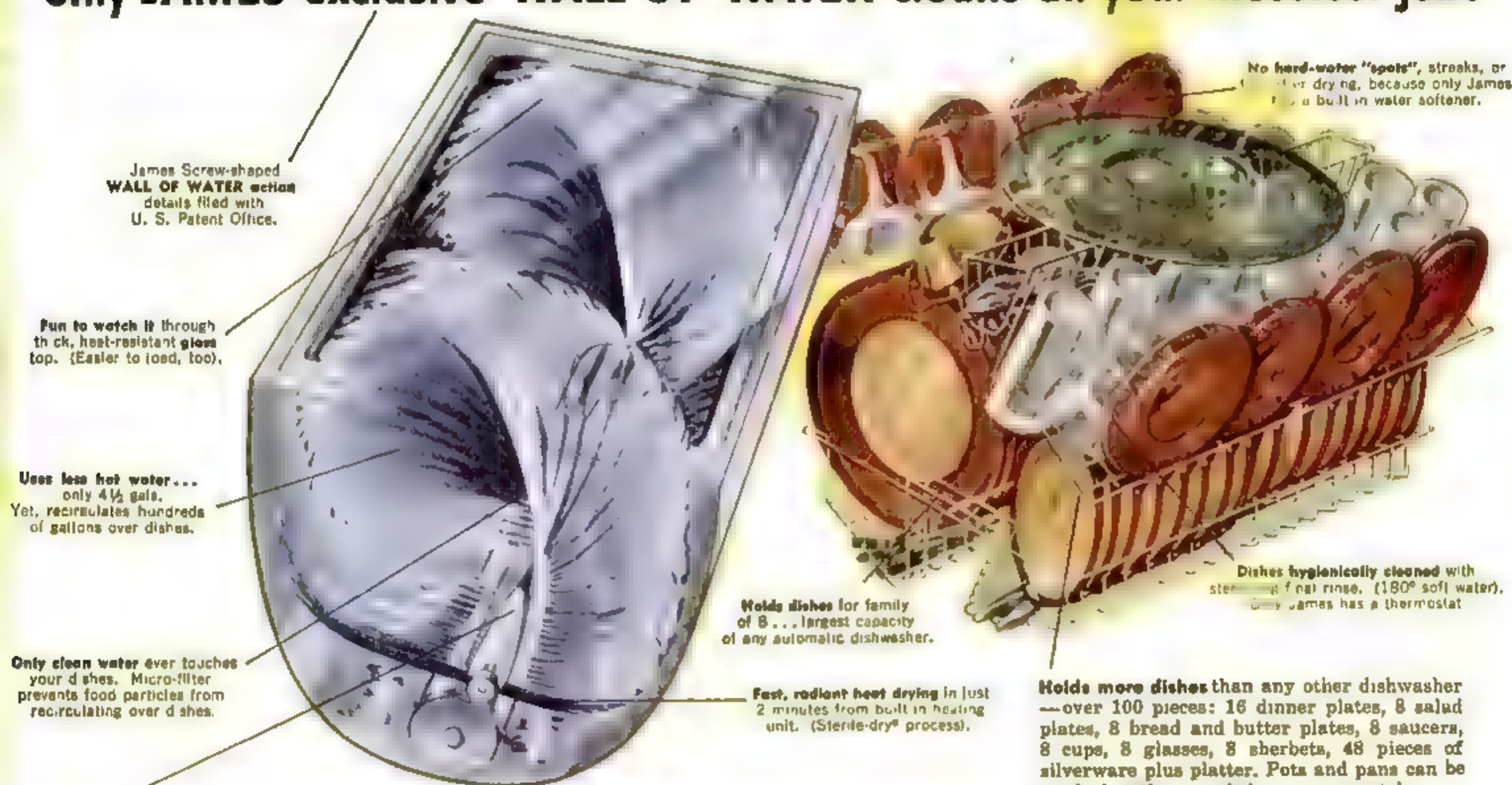
Installed models available

in this **JAMES**® dishwasher

.....no hand pre-rinsing

.....no installation

Forget all you ever heard about "Spray-Type" dishwashers....
only JAMES exclusive **WALL OF WATER*** cleans all your messiest jobs



This screw-shaped "Wall of Water" outwashes any other dishwasher action for an amazingly simple reason: it is the only action that "scrubs" every surface of every dish in turn with ever-moving solid sheets of water. And most important, James does this over 494 times with thick walls of water—not with the common hit-or-miss "spray-type" or "lawn sprinkler" action.

Other dishwashers only "help" with the dishes—while James DOES them. James removes even dried egg yolks and other sticky foods without hand pre-rinsing. James alone rinses with walls of steaming soft water, leaving no "water spots" or streaks. Built-in water softener does it!

No water pressure needed. James builds its own pressure.

Even delicate crystal is safe—snugly racked in space-saving rows—away from moving parts. James costs \$100 to \$200 less than smaller-capacity, installed dishwashers that it outwashes. Largest on the inside, smallest on the outside. Lower cost when you buy it, no cost at all to install it, for James is mobile.

No wiring. No plumbing. No cabinetwork, no re-shuffling your kitchen. Just roll James in, snap hose onto faucet, plug cord into outlet—let James do your dishes. (Or load at table, if you prefer.) Park it anywhere.

Extra length hoses and cord store inside cabinet—out of the way when not in use. Ready to wash in just 20 seconds.

Stainless steel interior. Baked enamelled heavy gauge steel cabinet (chrome trim) stays gleaming white for life.

Holds more dishes than any other dishwasher—over 100 pieces: 16 dinner plates, 8 salad plates, 8 bread and butter plates, 8 saucers, 8 cups, 8 glasses, 8 sherbets, 48 pieces of silverware plus platter. Pots and pans can be washed with your dishes or separately.

Yet, James takes up less floor space than other automatics—only 17 1/4" wide, 24 1/4" deep. No stooping. Loads from top.

Even if you rent a house or apartment, you can enjoy a full-size James. Or, if you're moving, take your James along. It's mobile—works anywhere, anytime.

Ask your James dealer to demonstrate "the dishwasher that removes even dried egg yolks." Actually watch James do the "impossible" jobs that your friends have told you their dishwashers fail to do.

Why hand-wash another dish? Why not own the only truly automatic dishwasher that costs so much less than space-wasting others of smaller capacity? A new James **\$269.50** Premiere is yours for only

James Deluxe, only **\$199.95**

Easy terms available

For FREE HOME TRIAL, write James Mfg. Co., Inc., Independence, Kansas. America's only exclusive manufacturers of dishwashers.

largest selling automatic mobile dishwasher

* "JAMES", "Wall of Water" and "Sterile-dry" are trademarks of James Mfg. Co., Inc.



Deliciously yours!

*P.S. Hunt-for the best. See your grocer's ads
and look in his store for the low price!*

PHOTOGRAPHER TOOK THESE PICTURES 10 MINUTES APART



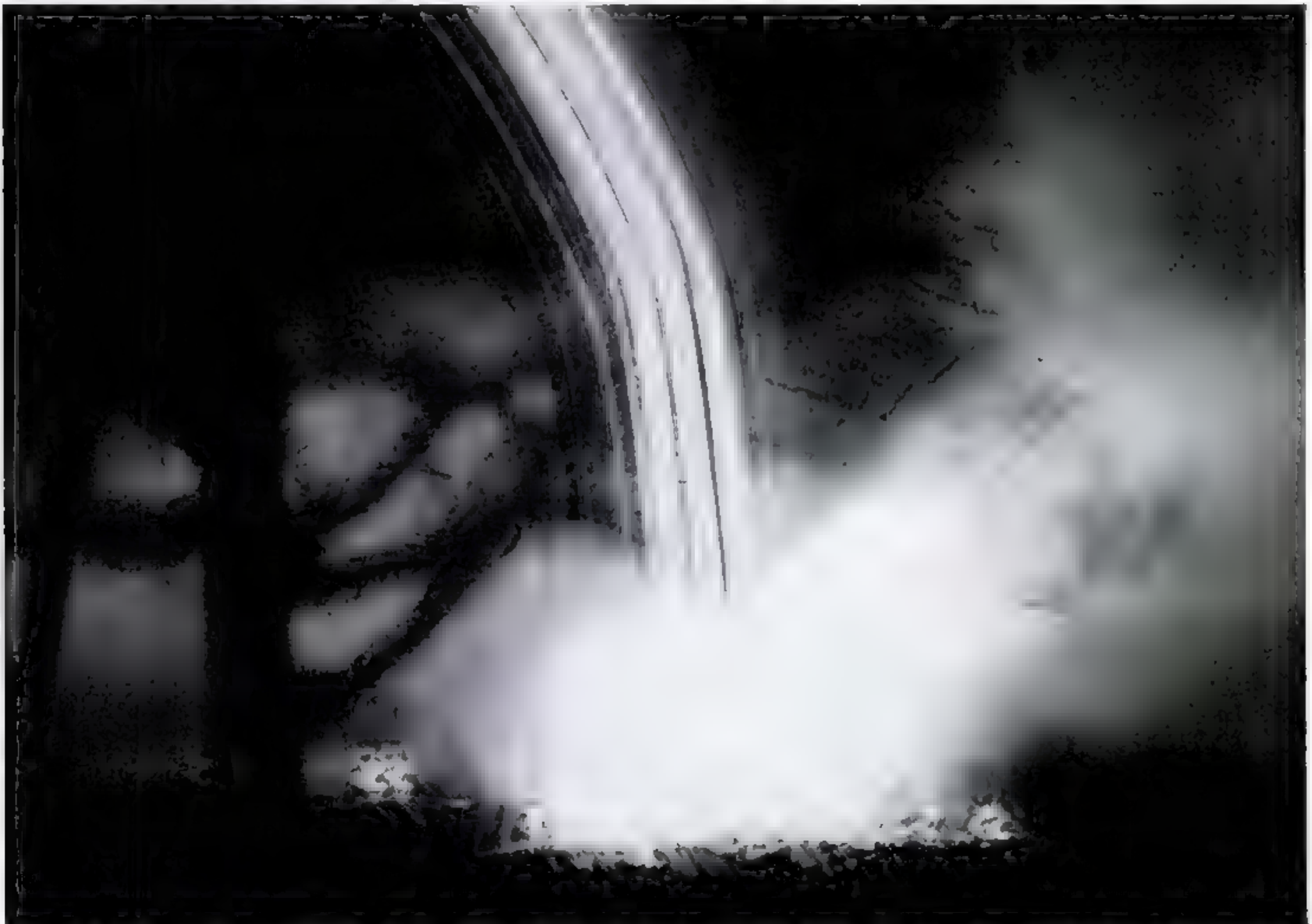
About 100 of Lewis, Indiana's 300 citizens were gathered for an Eastern Star installation in Masonic Hall, on the edge of town away from the railway tracks. After taking the installlees' picture (above)



Photographer Jack Wimsey left. Driving around a corner he saw a huge fire down at the railroad tracks half a mile away. He sped ahead, stopped, grabbed his camera and sprinted to within 100 yards

of it. An instant after he took the picture at the right he sailed through the air, landing shaken but uninjured. He had photographed an exploding ammunition train which was virtually to wipe out Lewis.

THEN FOR FIVE HOURS SHELLS BOMBARDED INDIANA TOWN



After the first blast which knocked Photographer Wimsey off his feet, 105-mm shells began shooting from the train, leaving rocketlike trails (above) across the night sky. Lewisites fled town, many

without knowing what had happened—a freight train, including three cars of ammunition bound for a nearby naval depot, had jumped track. The har- rage and fire lasted five hours, left all but 10 of the

town's 125 houses unfit to be lived in. Miraculously no one was killed, partly because so many Lewisites were at the Eastern Star ceremony, partly because of a railroad worker "Paul Revere" (p. 5A).

MORE MEN SMOKE



Prince Albert

than
any other
smoking
tobacco



R. J. Reynolds
Tobacco Co.
Winston-Salem, N. C.

When guests drop in...



Serve 'em
**CHUN
KING
CHOW MEIN**
and Chop Suey

In 10 minutes... get a dinner
you'll be proud to serve. So
"different", too. Big 3 lb. size
serves six for less than a dollar.
Try it! Regular 1 lb. can
serves 2 to 3.



AT YOUR
GROCERS!

JUST HEAT
AND SERVE

Explosion CONTINUED

BRAVE MAN SAVED PEOPLE BUT TOWN WAS RUINED



SHELL CRATER 60 feet wide by 30 deep was left by the ammo blast which was heard up to 50 miles away.

Twenty-four cars of 107-car freight train jumped the track at Lewis, which was abandoned two years ago as a rail stop.



"PAUL REVERE" Paul Morse, here standing in yard of his wrecked home, was sitting in his house when ammunition train left rails 75 yards away. After hurrying wife and two children off, Morse rushed around to warn neighbors.



PHONE OPERATOR Dessie Welch, aged 71, warned by Morse of coming explosion, stayed at switchboard even after the blast knocked off her earphones. She summoned fire departments and ambulances from neighboring towns.



BLASTED HOUSES around wreck belonged to (1) Bedwell, (2) Paul Morse's parents, (3) Campbell, (4) Metcalf,

(5) Davis, (6) Criss. They are shown close up on page 56. Two-story white building at upper right is Masonic Hall.

CONTINUED ON PAGE 56



*There are so many times a woman needs a car...
and can rent one from Hertz!*



No need to disappoint others as well as yourself when an emergency ties up the family car—you can rent a fine new car from Hertz and drive it as you would your own! Rates by the day or week, or longer, vary slightly in different sections of the country, averaging \$6.65 a day or \$33.00 a week, plus 8 cents a mile, with gasoline, oil and insurance included at no extra cost. Yes, there are so many times when a woman can be independent—by renting a car from Hertz!

HERTZ SERVICE: what it is...what it costs...how to get it-

What It Is . . . Hertz is a rent-a-car service, international in scope, available in more than 500 cities and resort areas throughout the United States, Canada, Alaska, Hawaii, Cuba, Great Britain, Mexico and Switzerland.

What It Costs . . . Here is a specific rate example at the Hertz station in Hibbing, Minnesota, the 24 hour daily rate is \$6.00, plus 7 cents per mile, including gasoline, oil and insurance. Thus, the total cost for a trip of 30 miles in any one day is only \$8.10, whether one person or five ride in the car. Rates are lower by the week. Rates vary slightly in different sections of the country.

Gasoline, Oil, Insurance Furnished . . . Even on long trips, whatever amount you pay for additional gasoline and oil is refunded to you. Public Liability, Property Damage, Fire and Theft Insurance and \$100.00 deductible collision protection are included in the low rate—at no extra cost.

How To Get It . . . It's as easy as A-B-C to rent from Hertz: (A) look in your telephone directory under "H" for your nearest Hertz station; (B) show your driver's license at the station and identify yourself; (C) step into a fine new car and go!

Advance Reservations To be sure of a car when you need it, locally or in some other city, it is well to make a reservation in advance. Any Hertz station will make a reservation for you, anywhere, for any time.

Or, if you have the correct Hertz station name and address at your destination city, you can make your own reservations by letter, telegram or telephone. Also, any railroad or airline reservation office will make a Hertz reservation for you through the Hertz Rail-Auto Plan or the Hertz Plane-Auto Plan at the time you purchase your railroad or airline ticket. Always insist on Hertz when you make your reservation and be sure you get Hertz service when you arrive at your destination.

New Model Cars . . . Cars rented from Hertz are always current-model cars, of popular makes. The car you rent bears no Hertz identification—it is your private car, for an hour, a day, or as long as you wish.

Charge Cards Available . . . Hertz Charge Cards (international in application) are issued to well rated business firms and individuals. The card serves as identification, eliminates deposit requirements, and provides credit privileges if desired. Air Travel Card holders and Rail Credit Card holders are accorded the same privileges extended to holders of Hertz Charge Cards.

Additional Information . . . For information on Hertz stations—anywhere—or for any details of Hertz Service operations, contact your nearest Hertz station or—write or phone Hertz Rent-A-Car System, Inc., Dept. 243, 218 S. Wabash Ave., Chicago 4, Ill.; phone: WEbster 9-5165.



TRUCKS, TOO . . . Hertz is also the world's largest truck leasing and rental organization. Trucks are available at most Hertz stations for daily and weekly rentals, or on long-term lease.

Look in your telephone directory
under "H" for your nearest Hertz station

HERTZ Rent-A-Car SYSTEM

WHEREVER YOU GO . . . WHATEVER YOU DO . . .

YOU CAN RENT A NEW CAR FROM HERTZ AS EASY AS **A B C**

FOR MEETING GUESTS . . . FAMILY ACTIVITIES . . . OR VISITING



Don't be a
**scrub
silly
Sally**



Flor-Ever®

FINEST Vinyl FLOORING

DELAWARE FLOOR PRODUCTS
division of Congoleum-Nairn Inc.
WILMINGTON 99, DEL.

**FIGHT HEARTBURN,
ACID INDIGESTION
3 WAYS**

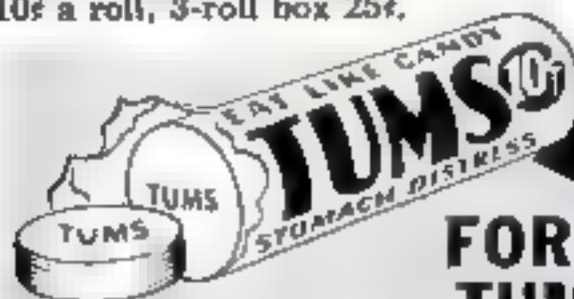
**AT THE
SAME
TIME**



Here's why you feel fine so quickly when you take Tums for gas, heartburn, acid indigestion:

1. Tums neutralize excess stomach acid fast.
2. Tums relieve the pain of heartburn, gas without over-alkalizing.
3. Tums soothe and settle upset stomach.

Get Tums today. Still only 10¢ a roll, 3-roll box 25¢.



**FOR THE
TUMMY**

GUARANTEED
TO CONTAIN NO SODA

✓ TRY ONE OR TWO TUMS AFTER BREAKFAST
SEE IF YOU DON'T FEEL BETTER

Explosion CONTINUED



1 These are the remains of the Carroll Bedwell house, identified by numeral 1 in picture at bottom of page 54. The Bedwells and their two children got out of the house 10 minutes before the back end was blown off by the blast.



3 Mrs. Oris Campbell, examining shredded venetian blinds in her home, and her family were warned by Morse. She and her son escaped in car, but her husband stayed and hid behind a tree, from where he saw his house destroyed.



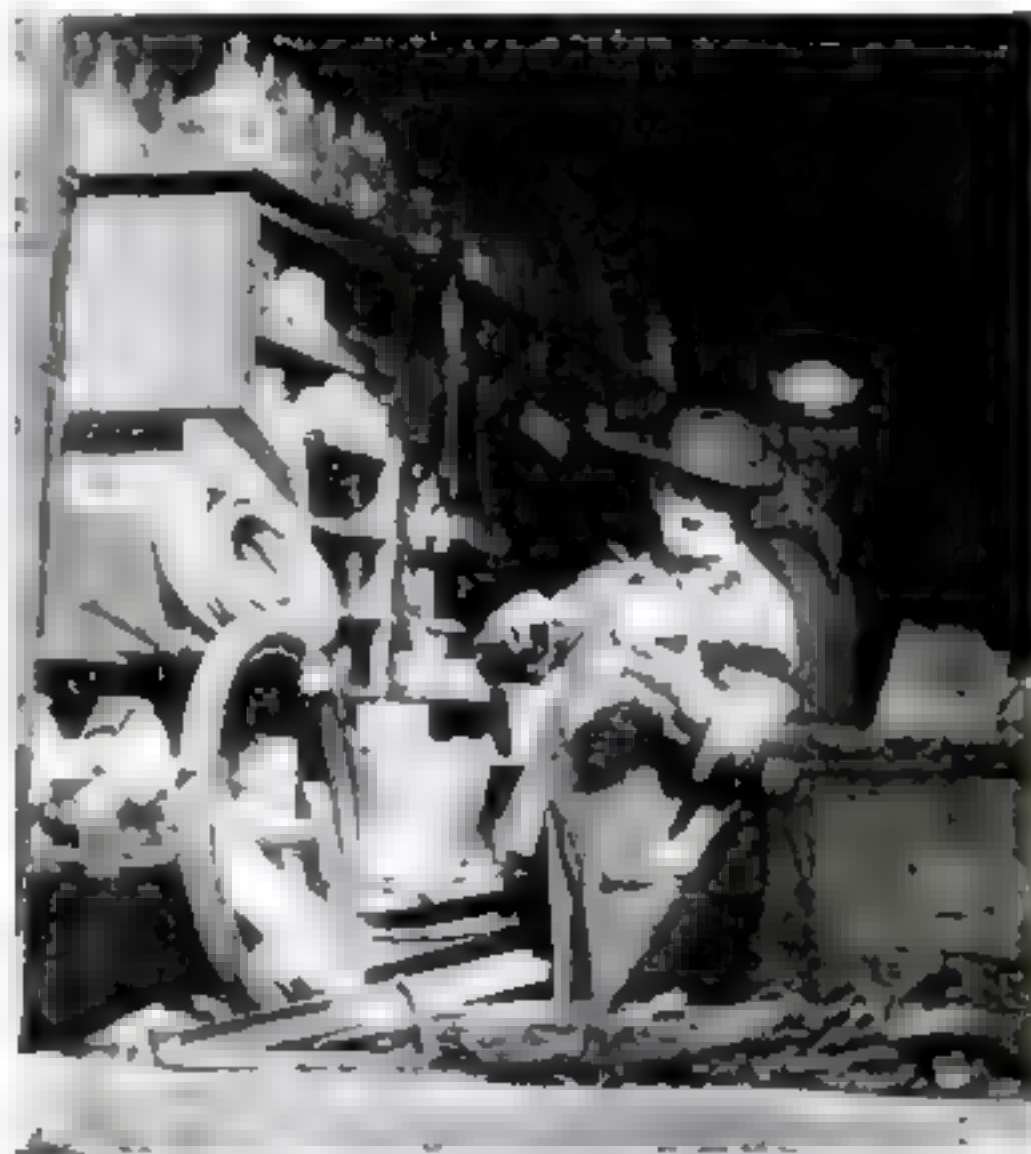
5 Claude Davis, who lives alone, was sitting in his living room when the ceiling fell in. Escaping with bruises, he crawled out his back door and ran to his car, then found he had left the key inside the house— "... So I ran away."



2 House owned by Paul Morse's parents lies in smoking ruins. Like son's it was located 75 yards from wreck but on other side of track from Paul, who could not reach it. But parents had left minutes before to go to filling station.

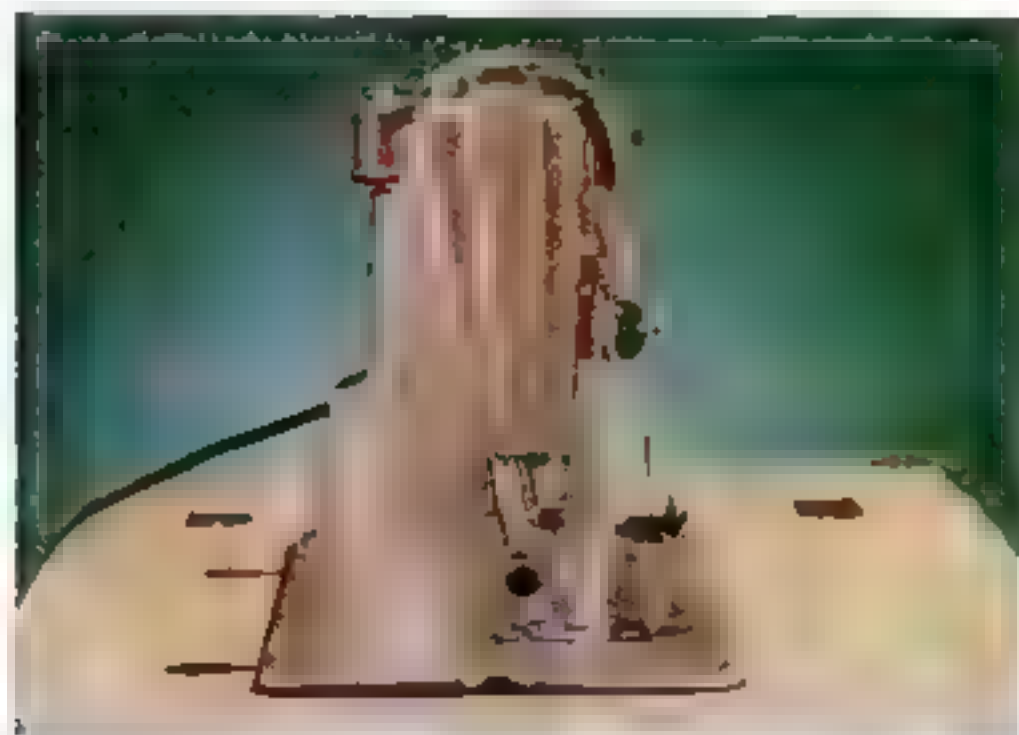


4 Tom Metcalf was visiting near town with his wife, otherwise they might have been in the bed Metcalf examines in the wreckage of his home. Metcalf, seeing the blazing town from the distance, tried unsuccessfully to get home.



6 Marion Criss removes unexploded shot-gun shells from the wall of his hardware store. Criss's store occupies two adjoining buildings in Lewis. The one above was badly battered. The other was completely destroyed by the fire.

Get a new slant on sewing with The Amazing New Slant-needle **SINGER**



The only home sewing machine with a "slant" needle for easier stitching... better vision!

Here is one of the most exciting sewing developments in 100 years. The amazing new model in the famous SINGER family.

The needle slants *toward* you instead of being straight up and down.

Makes it easier to see exactly where you're going; easier to "feed" and guide all types of fabric smoothly, perfectly.

Only SINGER—maker of the leading straight-needle and swing-needle (zigzag) machines—brings you the exclusive patented *slant-needle* machine.



New eye-rest design in traditional black or soft beige. Almost all moving parts concealed. A magnificent new model in the already world-famous line of SINGER® Sewing Machines.

The only machine that's a cabinet and a portable model all in one!

Now, for the first time, a full-sized, full-fledged cabinet machine—that you can use as a portable, too!

The slant-needle SINGER has a carrying handle concealed in the top. You can lift the machine out of the cabinet, carry it anywhere. Base of machine is fully enclosed, completely sealed.

Made of die-cast aluminum for light weight plus sturdiness. Designed to give you a new slant on sewing. Built to give you SINGER lifetime dependability.

The only machine with all these other smooth-sewing features!

- **Wide-range speed control.** Makes it easier to sew slower—or faster—than on any other machine!
- **Starts at a touch;** leaves both hands free.
- **Both knee and foot control.** An exclusive!
- **Seam-width guides** on the throat plate.
- **Drop feed** for darning, decorative stitching.
- **Flexible spool pins;** won't snap or break.
- **Simplified threading;** quickest, easiest ever!
- **Automatic bobbin winder.**
- **Sews forward or back** at flick of a lever.
- **Easy stitch-regulator** from fine to basting.

Available in unique new-design Spinet Cabinet—and other styles!



New Spinet Cabinet—designed for the slant-needle SINGER. Beautiful in modern or period rooms.



Spinet—open. Note an 11" of the leaf and of the machine itself. Designed so you can sit more comfortably.



Blond Modern Desk—one of many popular cabinets in which the new model and other SINGERS are available.

See it—try it—at your nearest SINGER SEWING CENTER.

Don't be misled. SINGER sells and services its products only through SINGER SEWING CENTERS, identified by the Red "S" Trade Mark on the window, and listed in your phone directory only under SINGER SEWING MACHINE COMPANY.

There are more than 1200 SINGER SEWING CENTERS coast to coast... and more than 4000 SINGER service cars always ready to bring SINGER service right to your door.



SINGER SEWING CENTERS

THERE'S ONE NEAR YOU TO SERVE YOU

• A Trade Mark of THE SINGER MANUFACTURING COMPANY Copyright U.S.A. 1962, 1963, by THE SINGER MANUFACTURING COMPANY All rights reserved for all countries. The new SINGER available in the United States only.

STATIONERY SAVINGS

- ☐ Grayline Letters, white, 36 sheets, 30 matching envelopes, regular \$1.00 box 2 for \$1.01
- ☐ Sculptured Letters, white vellum, orchid or gardenia design embossed in 3 colors, 36 sheets, 24 matching envelopes, reg. \$1.00 2 for \$1.01
- ☐ Lord Baltimore Royaltan, 24 white flat sheets, watermark design, 24 envelopes, 85c 2 for 86¢
- ☐ Gossamer Text, 36 blue fabric-finish sheets, 20 white paper-lined envs., reg. \$1.00 2 for \$1.01
- ☐ Dainty Shaver, 36 sheets, 24 with design, 24 paper-lined envs., reg. \$1.50 box, 2 for \$1.51
- ☐ Floral Notes, cello pack of 12 notes in choice of floral designs, 12 envelopes . . . 25c 2 for 26¢
- ☐ Thank You Notes, 10 engraved notes with envelopes 50c 2 for 51¢
- ☐ Flower Show Folded Notes, 16 French-fold notes with designs in full color, 16 envelopes \$1.00 2 for \$1.01
- ☐ Lord Baltimore White Vellum Notes, 20 notes, 20 envelopes 65c 2 for 66¢
- ☐ Lord Baltimore Mechanical Pencil . . . 69c 2 for 70¢
- ☐ Lead Pencils, Old Colony, No. 2 lead . . . 5c 2 for 6¢
- ☐ Filler Paper, 2- or 3-punch, 10c pack . . . 2 for 11¢
- ☐ Commercial Envelopes, No. 10 15c 2 for 16¢
- ☐ Elite Linen Ink Tablets, plain or ruled . . . 2 for 26¢
- ☐ Elite Linen Envelopes, 20c pack 2 for 21¢

ADRIENNE BEAUTY AIDS

- ☐ Bath Powder, scented, 7½ oz., \$1.25 2 for \$1.26
- ☐ Compressed Face Powder \$1.00 2 for \$1.01
- ☐ Face Powder, 4 fluttering shades, 85c 2 for 86¢
- ☐ Cold or Cleansing Cream 85c 2 for 86¢
- ☐ Velour Powder Puff, 3-inch 15c 2 for 16¢
- ☐ Cologne, subtle, dainty, 4 oz., \$1.25 2 for \$1.26
- ☐ Hand Cream, softens, protects, 4½ oz., 85c 2 for 86¢

SHAVING SAVINGS

- ☐ Rexall Ready-Shave Shaving Cream, press tip for luxurious instant lather, 10 oz., 2 for \$1.01
- ☐ Lavender After-Shave Lotion, 4 oz., 85c 2 for 86¢
- ☐ Rexall Shave Cream, Brushless or Lather, 2 for 40¢
- ☐ Rexall After-Shave Lotion, 6 oz., 49c 2 for 50¢
- ☐ Rexall Bay Rum, astringent, pint . . . 59c 2 for 60¢
- ☐ Lavender Shaving Bowl \$1.10 2 for \$1.11
- ☐ Lather Brush, Klensz, 2-tone plastic handle \$1.00 2 for \$1.01
- ☐ Permedge Blades, 20 double or 18 single edge; extra-sharp, long-lasting . . . 49c 2 for 50¢

DENTAL BARGAINS

- ☐ Rexall Denture Adhesive Powder, 3 oz., 55c 2 for 56¢
- ☐ Rexall Denture Plate Cleanser, 4 oz., 50c 2 for 51¢
- ☐ Rexall Ammoniated Tooth Powder, 3 oz., 2 for 44¢
- ☐ Dental Floss, acetate vial, 30 yds., 25c 2 for 26¢
- ☐ Sodium Perborate, flavored, 4 oz., 55c 2 for 56¢

BUYS FOR BABIES

- ☐ Rexall Stork Nipper, 8-oz. bottle, nipple and cap complete, easiest to use, 35c 2 for 36¢
- ☐ Rexall Quik-Swabs, 100 sterile, cotton-tipped applicators, ideal for nursery . . . 29c 2 for 30¢
- ☐ Hall's Berated Talc, full pound . . . 59c 2 for 60¢
- ☐ Stork Double Tab Nipples 3 for 25¢ 8 for 26¢
- ☐ Nursery Castle Soap, pure, mild, 19c bar 2 for 20¢
- ☐ Rexall Polymulsion, high potency Vitamins A, C, D, B1, B2, pleasantly flavored, 4oz., \$1.15 2 for \$1.16
- ☐ Baby Bottle Brush, nylon 25c 2 for 26¢
- ☐ Baby Bottles, assorted styles . . . 25c 2 for 26¢

REXALL REMEDIES

- ☐ Rexall Milk of Magnesia, mild, creamy-smooth, less "earthy" taste, pint, 39c 2 for 40¢
- ☐ Fungi-Rex Grazeless, effective ointment for relief of Athlete's Foot, 1½ oz. . . 63c 2 for 64¢
- ☐ Rexall Eye, soothing, cleansing, refreshing eyewash, half-pint with eye-cup, 59c 2 for 60¢
- ☐ Rexall Feet Powder, 4-oz. tin . . . 33c 2 for 34¢
- ☐ Rxillana Cough Syrup, 4 oz., 59c 2 for 60¢
- ☐ Rex-Rub, muscle ache relief, 6 oz., 89c 2 for 90¢
- ☐ Monacet APC Compound, time-tested pain-relief formula, 25 tablets . . . 29c 2 for 30¢
- ☐ Gypsy Cream, soothing, stainless lotion for relief of minor skin irritations . . . 59c 2 for 60¢
- ☐ Rexall Prickly Heat Powder 29c 2 for 30¢
- ☐ Aspirex Cough Drops, contain aspirin, 10c 2 for 11¢
- ☐ Rexall Cherry Bark Cough Syrup, 8 oz., 79c 2 for 80¢
- ☐ Eucalcine Ointment, soothing, antiseptic salve for relief of minor skin irritations . . . 2 for 51¢
- ☐ Rexall Little Pills, laxative, 100's . . . 35c 2 for 36¢
- ☐ Rexall Mouthsoled White Pine & Tar Compound, soothing cough remedy, 8 oz. . . 79c 2 for 80¢
- ☐ Analgesic Liquid, rubbing liniment, 65c 2 for 66¢
- ☐ Rexall Antacid Gas Tablets, 40's . . . 35c 2 for 36¢
- ☐ Rexall Cold Sore Lotion, ¾ oz. 29c 2 for 30¢
- ☐ Rexall Nose Drops, aqueous, 1 oz., 43c 2 for 44¢
- ☐ Rexall Glycerin, flavored laxative, 60's, 2 for 81¢
- ☐ Rex-Salvino, antiseptic burn salve, 53c 2 for 54¢
- ☐ Rexall Cold Tablets Special, 30's . . . 39c 2 for 40¢

REXALL 1¢

Twice as Much for a Penny More



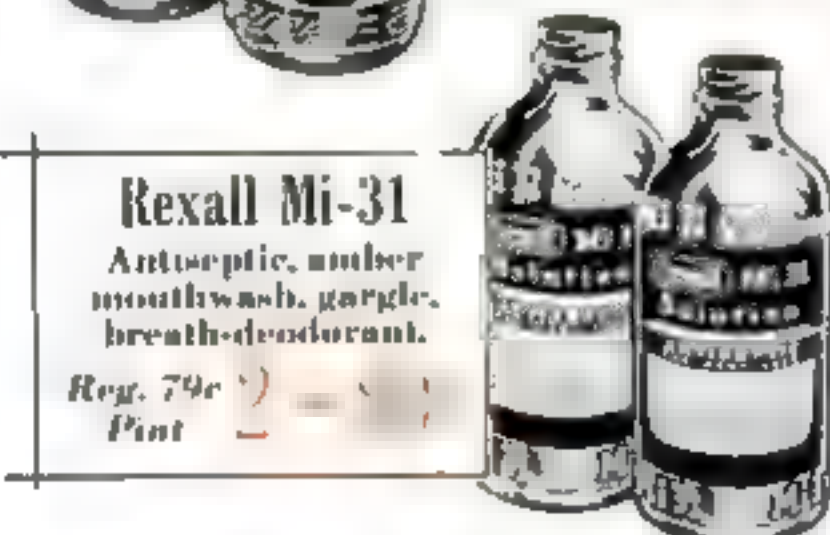
Rexall Aspirin
None finer or faster-acting. 5-grain, 100's.
Reg. 54c **2 for 55¢**



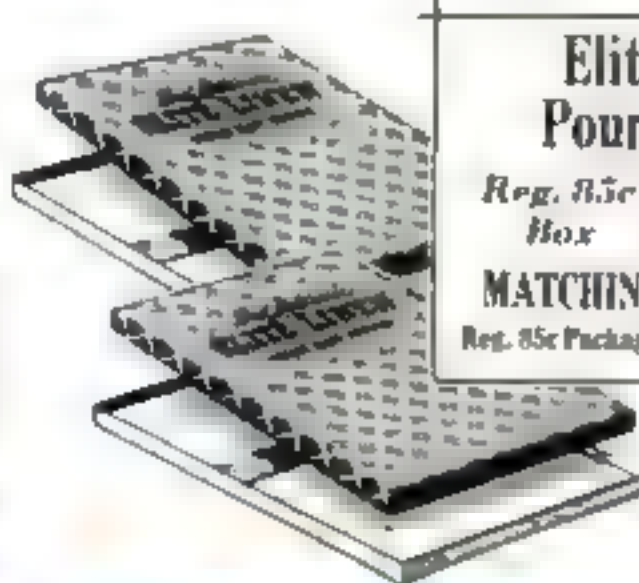
Rexall Rubbing Alcohol Compound
Our very finest quality
Reg. 69c **2 for 70¢**



Rexall Klensz Antiseptic
The only ruby-red antiseptic mouthwash and gargle.
Reg. 79c Pint **2 for 80¢**



Rexall Mi-31
Antiseptic, under mouthwash, gargle, breath-deodorant.
Reg. 79c Pint **2 for 80¢**



Elite Linen Pound Paper
Reg. 85c Box **2 for 86¢**
MATCHING ENVELOPES
Reg. 85c Package 2 for 86¢

- Glycerin Suppositories, adult or infant, 12's . . . 43c 2 for 44¢
- Alco-Rex Rubbing Alcohol Compound, pint, 49c 2 for 50¢
- Ball Point or Fountain Pen \$1.00 2 for \$1.01
- Helen Cornell Bobby Pins, black or bronze, 24's, 10c 2 for 11¢
- Victoria Hot Water Bottle, 2-quart \$2.19 2 for \$2.20
- Victoria Fountain Syringe, 2-quart \$2.59 2 for \$2.60
- Billfolds, Men's and Ladies', assorted styles in durable plastic \$1.00 2 for \$1.01
- Rexall Saccharin Tablets, ¼-grain, 1000's . . . \$1.26 2 for \$1.27
- Ladies' Plastic Scuffs, skirred vamp, colorful; assorted sizes 59c 2 for 60¢
- Lavender Bath Powder, fine-textured, 9-oz. box \$1.25 2 for \$1.26
- Rexall Petrofol Mineral Oil, fine quality, full pint 59c 2 for 60¢
- Helen Cornell Soap, Toilet or Bath, regular \$1.19 box, 2 for \$1.20
- Commercial Envelopes, 6½ size, white, reg. 10c pack, 2 for 11¢
- Theatrical Cold or Cleansing Cream, 1-lb., \$1.00 2 for \$1.01
- Rexall Hydrogen Peroxide, USP, 3%, 10 Vol., full pint 45c 2 for 46¢
- Hair Nets, Nylon, French Mesh or Regular 10c 2 for 11¢



Rexall Pro-Cap Adhesive Tape
Less irritating. 1" x 5 Yds.
Reg. 35c **2 for 36¢**



Rex-Maid Household Gloves
Natural latex rubber . . . non-slip finish.
Reg. 79c Pair **2 for 80¢**



Klensz Hair Brush
Nylon; professional or half-round styles; assorted colors.
\$1.00 Value **2 for \$1.01**

CHECK THESE
Not 1c Sale Merchandise... But Bargains Too Good to Miss

- ☐ Medford Facial Tissues, 300's 2 for 39¢
- ☐ Rexall Beef, Wine & Iron, tonic, pint . . . 2 for \$1.41
- ☐ Rexall Ammoniated Tooth Paste, 3¼ oz. . . 2 for 61¢
- ☐ Rexall Sugar-Free Tooth Paste, 3¼ oz. . . 2 for 56¢
- ☐ Rexall Witch Hazel, astringent, pint . . . 2 for 56¢
- ☐ Rexall Epsom Salt, medicinal, pound . . . 2 for 41¢
- ☐ Camox Wash Cloth, assorted colors . . . 2 for 18¢
- ☐ Rexall Puretest **MINERAL OIL**
Extra-heavy colorless odorless, tasteless non-fattening and non-habit forming.
pt. 2 for 86¢
qt. 2 for \$1.26
- ☐ Swim Kap, triple seal, assorted colors, 2 for 99¢
- ☐ Monazole Olive Oil, imported, 12 oz. . . 2 for \$1.01
- ☐ Tiny Tot Pops, cluster of 7 lollipops . . . 2 for 11¢

- ☐ Jumbo Chocolate Bars, plain or almond, 2 for 37¢
- ☐ "\$50,000" Chocolate Syrup, 7-oz. tin . . . 2 for 23¢
- ☐ Tumbler, 11 oz., Libbey Safedge 2 for 13¢
- ☐ **KLENSZ NYLON TOOTH BRUSH**
Assorted medicinally approved styles—tufted, convex, oval—medium or hard. Also popular fine textured mode.
2 for 40¢
- ☐ Scout Flashlight Battery, standard size, 2 for 16¢
- ☐ No. 6 Pine Oil Disinfectant, 1½ pint . . . 2 for \$1.10
- ☐ Boric Acid Ointment, white, 1 oz. tube . . . 2 for 26¢
- ☐ Rexall Castor Oil, U.S.P. purity 3 oz. . . 2 for 46¢
- ☐ Rexall Analgesic Balm, 1 oz. tube 2 for 58¢
- ☐ Cascara Compound Tabs. (Hinkle) 100's, 2 for 46¢
- ☐ "84 80" Nail Polish Remover 2 for 36¢

You can depend on any drug product

SALE

SALE DAYS

Wednesday April 15th
Thursday April 16th
Friday April 17th
Saturday April 18th

USE THIS AD AS YOUR SHOPPING LIST AND
ORDER IN ADVANCE. Your Rexall Family
Druggist will gladly lay away your order,
to be picked up any time during the sale.

...at Rexall Drug Stores Everywhere



Lavender Mentholated Shave Cream
3 1/4 Oz. Brushless. 3 1/4 Oz. Lather
Reg. 59c Tube **2 for 60¢**

Men's and Ladies' Sun Glasses
Certified safe Ful-Vue
lenses meet US Bur. of Stds.
requirements CS 79-40.
Reg. \$1.00 **2 for \$1.01**
Children's Sun Glasses, 29c, 2 for 30c

Stick Colognes
Garden Spice or
Lavender fragrances.
Convenient...spill-proof.
Reg. \$1.00 **2 for \$1.01**

Indelo Lipsticks
by Adrienne
A choice of
glamorous shades
Reg. \$1.00 **2 for \$1.01**



MEDICINE CHEST NEEDS

- ☐ Rexall Aspirin for Children, 50 orange-flavored, 1-grain tablets.....35c 2 for 36¢
- ☐ Rexall Boric Acid, powder or crystal, 4 oz., 2 for 34¢
- ☐ Rexall Hygienic Powder, spray or gargle, 2 for 66¢
- ☐ Rexall Aspirin Tabs., 36 in handy tin, 27c 2 for 28¢
- ☐ Cascade Aromatic, fluid extract, 4 oz., 85c 2 for 86¢
- ☐ Rexall Spirits of Camphor, 1 oz. ... 37c 2 for 38¢
- ☐ Ascorbic Acid Tabs., 100 mg., 100's, 2 for \$1.99
- ☐ Rexall Glycerin, skin softener, 3 oz., 75c 2 for 76¢
- ☐ Tincture Iodine, 1 oz. with applicator, 29c 2 for 30¢
- ☐ Rexall Epsom Salt, medicinal, 4 oz., 17c 2 for 18¢
- ☐ Rexall Soda Mint Tablets, 140's ... 35c 2 for 36¢
- ☐ Rexall Tincture Green Soap, 8 oz. ... 65c 2 for 66¢
- ☐ Glycerin & Rose Water, lotion, 4 oz., 49c 2 for 50¢
- ☐ Rexall Toothache Drops, large size, 25c 2 for 26¢
- ☐ Rexall Essence Peppermint, 1 oz. ... 47c 2 for 48¢
- ☐ Toilet Lotion, soothes skin, 1 oz., 27c 2 for 28¢
- ☐ Rexall Mercurochrome, 1/2 oz. ... 25c 2 for 26¢
- ☐ Cascade Sagrada Tabs., 5-grain, 100's, 2 for 82¢
- ☐ Thiamin Hydrochloride, Vitamin B1, 10 mg tablets, 100's ... \$1.51 2 for \$1.52
- ☐ Rexall Spirits Ammonia, aromatic, 1 oz., 2 for 30¢
- ☐ Hydrogen Peroxide, bleach, 4 oz., 21c 2 for 22¢
- ☐ Corn Solvent, painless corn remover, 29c 2 for 30¢
- ☐ Rexall Boric Acid Solution, 4 oz., 25c 2 for 26¢
- ☐ Iron, Liver & Bone Marrow Compound, tonic for simple or nutritional anemia, 8 oz., 2 for \$1.30
- ☐ Peptone, tonic and appetite stimulant, pint ... 2 for \$1.28
- ☐ Calamine Lotion, soothing to rash and skin irritations, 4 oz.35c 2 for 36¢

HAIR GROOM BUYS

- ☐ Helen Cornell Cream Shampoo, 4 oz. 79c 2 for 80¢
- ☐ Maximum Hard Rubber Combs29c 2 for 30¢
- ☐ Helen Cornell Coconut Oil Shampoo, 79c 2 for 80¢
- ☐ Rexall Cream Hair Tonic, 5 oz. 53c 2 for 54¢
- ☐ Rexall Hair Oil, scented, 4 oz. 29c 2 for 30¢
- ☐ Rexall Coconut Oil Shampoo, 6 oz., 53c 2 for 54¢
- ☐ Helen Cornell Liquid Cream Shampoo, 98c 2 for 99¢
- ☐ Kleenite Pocket Comb, with clip ... 10c 2 for 11¢

TOILETRY TIPS

- ☐ Helen Cornell Bubble Bath \$1.00 2 for \$1.01
- ☐ Helen Cornell Hormone Cream . \$1.00 2 for \$1.01
- ☐ Golden Isle Hand Cream Stick . \$1.00 2 for \$1.01
- ☐ Salsje Beauty Lotion, 6 oz.\$1.00 2 for \$1.01
- ☐ Rexall Hand Lotion, softening, 8 oz., 79c 2 for 80¢
- ☐ Mascal's Hand Cream, 6 1/4 oz. jar...59c 2 for 60¢
- ☐ Mascal's Hand Lotion, almond pt., 69c 2 for 70¢
- ☐ Sequoia Pine Bath Oil, 6 oz. ... \$1.00 2 for \$1.01
- ☐ Perfumes by Langlois \$1.00 2 for \$1.01
- ☐ Rex-Olive Complexion Soap, reg. 10c bar 2 for 11¢
- ☐ Lavender Soap, fragrant, 3-cake box.. 2 for 76¢
- ☐ "84-80" Talcum, 1-pound tin....59c 2 for 60¢
- ☐ Violet Corset Cream, 3-oz. jar . 85c 2 for 86¢
- ☐ Lavender Cologne, 4 oz. . . \$1.25 2 for \$1.26
- ☐ Lavender Bath Salts, 12 oz.\$1.10 2 for \$1.11
- ☐ Loris Cologne, exotic, 4 oz. . . \$1.25 2 for \$1.26
- ☐ Complexion Brush, Kleenex, soft nylon bristles98c 2 for 99¢

DEODORANTS

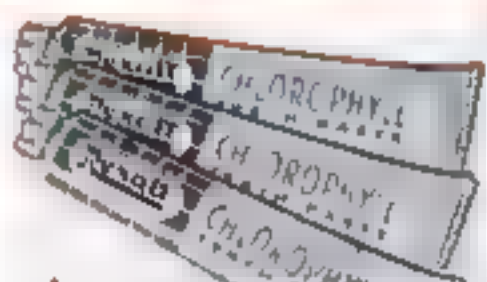
- ☐ Dainty Deodorant Stick89c 2 for 90¢
- ☐ Dainty Deodorant Cream, 1 1/4 oz. . 49c 2 for 50¢
- ☐ Dainty Deodorant Cologne, in handy plastic squeeze-bottle . 98c 2 for 99¢
- ☐ Dainty Deodorant Powder 49c 2 for 50¢
- ☐ Lavender Cologne Deodorant85c 2 for 86¢

EVERYDAY NEEDS

- ☐ Saccharin Tablets, 1/4 gr., 1000's, \$1.08 2 for \$1.09
- ☐ Windproof Lighter, chrome finish, made in U.S.A.\$1.50 2 for \$1.51
- ☐ Matched Gift Wrap Ensemble25c 2 for 26¢
- ☐ Gift Wraps, all-occasion, 10c packages, 2 for 11¢
- ☐ Cascade Gift Ribbon Assortment10c 2 for 11¢
- ☐ Firstaid Gauze Bandage, 2"x10 yd., 27c 2 for 28¢
- ☐ Rexall Pre-Cap Adhesive Tape, less irritating, tri-wide roll, cut 1/4", 1/2", 3/4" x 5 yds., 50c 2 for 51¢
- ☐ Men's Handkerchief, cotton, 17"x17", 25c 2 for 26¢
- ☐ Extension Cord, 6 feet long, brown or white, cube tap59c 2 for 60¢
- ☐ Insect Repellent, 2 oz.59c 2 for 60¢
- ☐ Wickstyle Household Deodorant, 6 oz., 59c 2 for 60¢
- ☐ Show Laces, assorted colors, pair .. 5c 2 for 6¢
- ☐ Kleenex Nail Brush, assorted colors, 50c 2 for 51¢
- ☐ Balloons, character or package of 4, 10c 2 for 11¢
- ☐ Shower Cap, plastic, asstd. colors, 19c 2 for 20¢
- ☐ Safety Pins, steel or gilt brass10c 2 for 11¢
- ☐ Kleenex All-Purpose Cellulose Sponges, 35c 2 for 36¢
- ☐ "84-80" Nail Clippers 25c 2 for 26¢
- ☐ Sponge Rubber Ball 23c 2 for 24¢
- ☐ Pipes, imported Binar\$1.00 2 for \$1.01
- ☐ Copper Pot Cleaner 10c 2 for 11¢
- ☐ Thumb Tacks, asstd. colors 36's, 10c 2 for 11¢

REXALL DRUG PRODUCTS ARE GUARANTEED TO GIVE SATISFACTION OR YOUR MONEY BACK

Not on 1c Sale Plan, but Sensational Values While Stocks Last



Rexall Chlorophyll Tooth Paste
Sweetens the breath as it cleans.
Gumt 69c Tube **3 for 99¢**



Rexall Plastic Quik-Bands
27's
Reg. 39c **27¢**
Elastic adhesive bandages that stretch and cling.



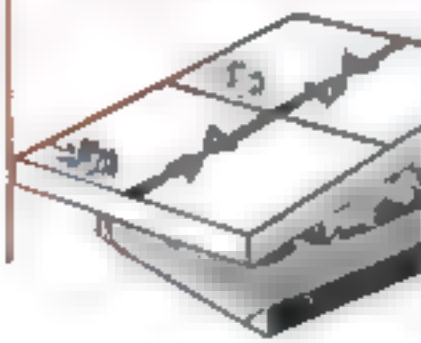
Everyday Greeting Cards
\$1.40 Value
Box **59¢**
14 all-occasion cards & envelopes.



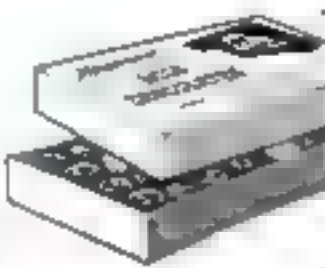
Cape Cod Picnic Jug
Half Gallon.
\$1.98 Value **\$1.49**



Cannon Bath Towels
3 for \$1.49
\$2.07 Value
20"x40" size; new "deep-tone" colors.



Rose Trio Smart Social Stationery
59¢
\$1.25 Value
24 rose-lithographed, 24 plain sheets; 24 envelopes.



Homemaker Chocolates
\$1.59 Value
2 lbs. **\$1.19**
Milk chocolates; tasty, assorted centers.



Elka's Aerosol Insect Killer
\$1.29 Value
79¢ Push-button spray; 12 Oz. easy-to-use.

- ☐ Playing Cards, Bridge, Poker, Pinochle, 2 for 96¢
- ☐ Age-Rex, gentle laxative, pint 2 for \$1.11
- ☐ Dainty Mist Deodorant, in 1 1/2-oz. plastic squeeze-bottle, quick and easy to use, 2 for 76¢
- ☐ Rexall Zinc Oxide Ointment, 1-oz. tube ... 2 for 26¢

- ☐ Elka's Insecticide, with 6% DDT, pint ... 2 for 50¢
- ☐ Rex-Softz, effervescent alkalizer, 25's, 2 for 59¢
- ☐ Tiny Tot Baby Oil, antiseptic, 6 oz. 2 for 58¢
- ☐ Tiny Tot Baby Lotion, antiseptic, 6 oz. . 2 for 58¢
- ☐ Rexall Tincture Benzoin Compound, 1 oz., 2 for 41¢
- ☐ Adrienne Valour Powder Puff, 4" size ... 2 for 26¢
- ☐ Rexall Milk of Magnesia Tablets, 36's 2 for 26¢
- ☐ Elka's White Shoe Polish, 6 oz. 2 for 29¢
- ☐ Dental Floss, acetate vial, 100 yards . 2 for 76¢
- ☐ Rexall Cod Liver Oil, high potency, pt., 2 for \$1.61
- ☐ Rexall B-Complex Capsules, 100's ... 2 for \$2.60
- ☐ Rexall Brewer's Yeast Tablets, B-Complex, 250's, 2 for \$1.01; 100's 2 for 51¢
- ☐ Rexall Polycaps, child's multi-vitamins, 2 for \$2.91
- ☐ Rexall Zinc Oxide Ointment, 2-oz. tube 2 for 39¢

- ☐ Bicalcium Phosphate Capsules with Viosterol, especially for expectant mothers, 100's, 2 for \$1.36
- ☐ Rexall ABDC Capsules, 100's 2 for \$1.66



REXALL PANOVITE
100's One capsule a day supplies all vitamins with known daily minimum requirements.
2 for \$3.20

- ☐ Rexall Polymulsion, child's vits., pt., 2 for \$3.60
- ☐ Rexall Beta-Caps, Vitamin B, 100's . 2 for \$2.11
- ☐ Vit. B12 Conc., 5 mcgs. caps., 100's, 2 for \$2.01
- ☐ Rexall Percocet, A & D Vitamins, 110's, 2 for \$1.01
- ☐ Rexall Yeast & Iron Tablets, 100's 2 for 76¢
- ☐ Rexall A & D Tablets, children's, 100's, 2 for \$1.21
- ☐ Rexall Wheat Germ Oil Capsules, 50's, 2 for \$1.01
- ☐ Rexall Halibut Liver Oil Capsules, 50's, 2 for \$1.11

SPUNTEX NYLONS
2 PAIRS \$1.51
First quality Dupont Nylons; 51 gauge, 15 denier; popular new Spring shades.
\$2.50 Value

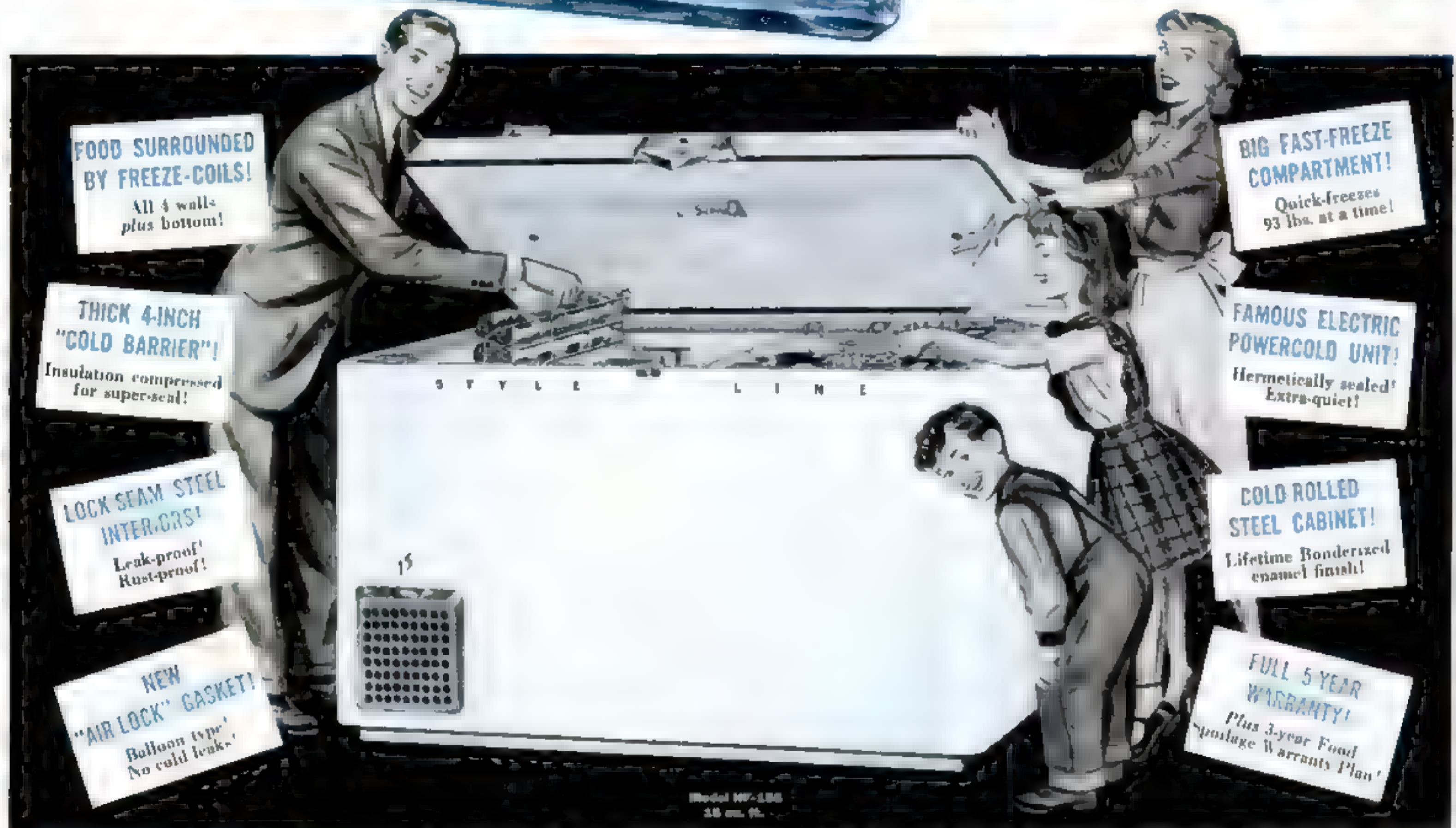
- ☐ Rexall Camphorated Oil, liniment, 4 oz 2 for 56¢
- ☐ Rexall Saccharin Tablets, 1/2-grain, 100's, 2 for 46¢; 1/4-grain, 100's... 2 for 36¢

that bears the name Rexall

Right reserved to limit quantities. Prices subject to Federal Excise Tax where applicable. Items, prices and dates may vary slightly in Canada. Rexall Drug Company, Los Angeles 48, California.

SERVEL-AMERICA'S FIRST FREEZERS

WITH GOLD-SEAL CONSTRUCTION



Servel keeps your food extra-handy, with Easy-Out adjustable baskets...fingertip juice rack...interior floodlight...floating lid.



SERVEL "Cold-Seal" UPRIGHT Freezers hold up to 525 lbs. of food in less than 3 ft. of floor space! Every shelf a fast-freeze shelf! 11 and 15 cu. ft. models.

They're air-tight! They're cold-tight! No seepage loss! No outside sweating! Give you unsurpassed food protection! Twice-a-year defrosting! Lower costs! More freezer for your dollar!

Every thrifty homemaker wants a freezer! You can buy foods at quantity prices—and when prices are lowest! You stretch your food budget—serve tastier, healthier meals and save in the bargain! You can even do a week's cooking in 1 day—when you're in the mood to cook—then just heat and serve at meal times! When you go shopping for your freezer, be sure you

see the sensational new Servel upright and chest-type freezers with amazing "Cold-Seal Construction." It's the most exciting advance in home freezer design in years—your biggest freezer value by far! Deluxe Models from 9 to 22 cu. ft.—holding up to 782 lbs. of frozen foods—a virtual super-market always at your finger tips! See your Servel Dealer first chance you get!

Servel

The name to watch for great advances in REFRIGERATION and AIR CONDITIONING

Servel Inc., Evansville 20, Indiana
In Canada, Servel (Canada) Ltd., 548 King St. W., Toronto, Ont.

SAVE 25% ON LOW SUPER-MARKET PRICES
in stocking your new Servel Freezer!
Buy right at your favorite market and take 1/4 off regular prices! Ask your Servel Dealer about it!



Ice-Maker Refrigerators



Home Freezers



Room Air Conditioners



All-Year Air Conditioning Systems



"Electric Woodburner"



Water Heaters

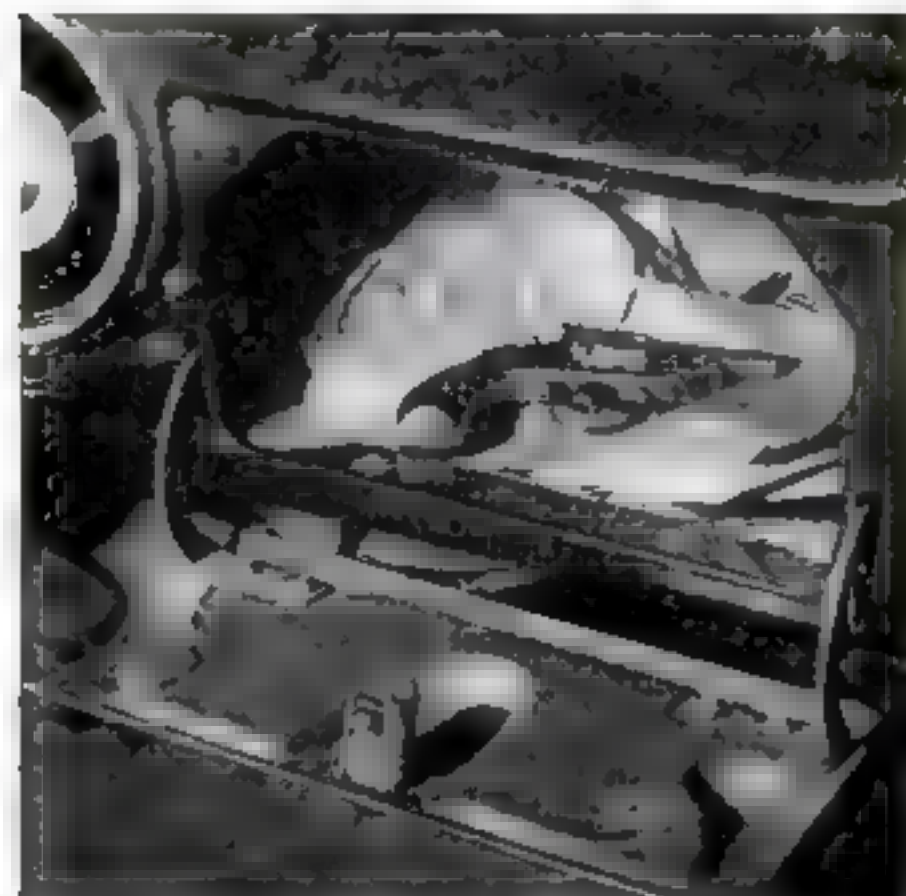


'HIGH NOON' IN A STRIKEBOUND TOWN

These two tense men, standing warily on a street corner and keeping a sharp lookout in two directions, have exactly the look of actors playing a jittery bit in a movie suspense thriller like *High Noon*. But they are real men—men in a tough spot in Elizabeth, La., a town

torn by a bitter labor fight. They are fearful because they are "company men," working for the town's only industry during a union strike, and their truck has broken down in town. Stranded in hostile territory, they cannot wait in the only garage, which is fixing the truck—

the garagemen are pro-union. So they are taking their chances on the street, hoping no strikers will come by and add another episode to the long list of violence (*next page*) which has turned the once-pretty town of Elizabeth into a place seething with suspicion and hate.



READY FOR TROUBLE, Elizabethans are accommodated by a state law which permits them to carry guns in cars. Weapons cannot be concealed on the person.

They must be carried, like these, on the seats, on the floor or in the glove compartment. Tastes range from stubby automatics to old double-barrel shotguns.

GUNS AND DYNAMITE FRIGHTEN ELIZABETH

In Elizabeth these nights it is wise to stay indoors and keep a pistol handy; when a man does have to go out he always carries a gun in his car. So far not many men have used these weapons, but their presence alone has helped build the tension up to a nerve-grating pitch. The strike started six months ago after two A.F. of L. papermakers' unions organized the two jointly owned paper factories which support and own the town. The negotiations bogged down in September, and 500 men (of 700) quit work for the picket line.

Then, in November, the mills opened up. They hired as labor some nearby farmers. This turned Elizabeth into a battlefield where father picketed son and cousin, cousin. The violence began immediately when a house was sprayed with buckshot. Since then cars have gone up in dynamite blasts, farms have been burned and gunfire has shattered windows in town. The victims of these night raids have all been "company men" or their relatives. The company's railroad siding has been blown up and its gas pipeline knocked out. Now Elizabeth (pop. 1,119) is guarded by state police who prowl in squad cars, searching every auto that enters town for dynamite or machine guns.



PICKET-LINE HECKLING is violent since pickets and strikers are neighbors. At plant entrance

picket sign says, "People of principle go straight ahead. All lousy scabs turn right" (into plant).



DYNAMITE DAMAGE included these three attacks on a railroad spur (in December), an auto (in March) and a pro-company man's beer place (in March). The



car, a worker's sturdy old Cadillac, withstood the first charge of dynamite, but raiders came back later, set off a bigger charge and spread it over a 50-yard circle.

CONTINUED ON PAGE 15

Now
it's here—
the night of
her first
Formal...



Once upon a time, a child stood here, played "grown-up" in her mother's dress and dreamed she was the fairest at the ball.



Once upon a time, a child sat here, stared wonder-eyed at guests below, fell sound asleep. You carried her to bed.



Once upon a time, her escorts called in snowsuits. And if they brought her anything at all, it was a broken plaything.



How long to make a woman of a child? An hour or two? A week? Not long—fifteen years is all.



So now it's come: the night of her first formal—just as you knew it would.

Radiant, she descends the stairs, wearing flowers you did not send, smiling bashfully at someone else. Her words have been the same these 15 years: "Mom and Dad, good night! Good night!" You watch her go—and see her shut the door on childhood.

**Preserve your precious memories on film.
Snapshots never forget!**

First choice of beginners and experts alike—
Genuine Kodak Film—in the familiar yellow box

EASTMAN KODAK COMPANY, Rochester 4, N.Y.



Kodak
TRADE-MARK

Find the perfect band for your watch on the Hadley "Wheel of Fashion"

It's easy to do right on this page, or even better, at your jeweler's. Just follow directions on the "hub" of the wheel.



Hadley "Creative Styling" and traditional quality combine to produce a band that makes any watch look better. Each Hadley has the originality usually limited to costly custom-made jewelry. Each is unconditionally guaranteed for one year. Yet a graceful golden Hadley costs as little as \$5.95.

Your jeweler is featuring Hadley Bands on the "Wheel of Fashion." Let him help you find the perfect Hadley for your watch. Drop in tomorrow.

A Hadley fits any watch because of the exclusive Hadley originated end piece. Hadleys come in lengths to fit your wrist—in widths to suit your taste.

HADLEY

All prices include Federal Tax and are subject to change without notice.
©1961, 1962, ELGIN NATIONAL WATCH COMPANY

Product of the Elgin National Watch Company • Elgin, Illinois



GETTING "PAID," striking workmen line up at struck plant to collect \$2 from union for picketing,

\$2 more for each dependent. Huts to shelter pickets are segregated, one for Negroes, one for whites.

'TOWN COULD BLOW RIGHT OFF THE MAP'

In spite of all the damage to property no Elizabethan so far has been badly hurt—though one woman did get a buckshot in the arm and another narrowly missed killing her mother when she shot at a noise in the dark. But the company and union are still deadlocked and all there is to do is to wait for peace or for a real explosion. Those who are still working wait nervously for peace or angrily for a shot at their tormentors. The strikers mostly play cards or dominoes or hang about the picket lines. The police, unable to stop the sporadic dynamitings and the random gun blasts, can also only wait. "Everybody's so jumpy," says one state trooper, "a backfire from a truck could blow this place right off the map."



WAITING NERVOUSLY for peace is Mrs. D. Thompson. Her house was hit by shotgun slugs.

WAITING ANGRILY for the next attack is Vernon Perkins. His crops and his tractor were burned.





Today...

there's only one

Prized Bottled in Bond

"I. W. HARPER *is the finest that money can buy"*



... it's always
a pleasure
to drink . . . to serve

L.W. HARPER

since 1872



THE *Harper* BOTTLED IN BOND
KENTUCKY STRAIGHT *Whiskey*

KENTUCKY STRAIGHT BOURBON WHISKEY, BOTTLED IN BOND, 100 PROOF, I. W. HARPER DISTILLING COMPANY, LOUISVILLE, KENTUCKY

America's newest power



Here's the 18 inch LAWN-BOY with front "Grass Spray" discharge and the new 2-cycle Iron Horse engine... specifically designed for lawnmowers. The blade's completely shielded to prevent "kick-back" of sticks or stones. And it's featherlight... only 35 pounds.

There's a LAWN-BOY for you... no matter how large or how small your lawn is. Take your pick of any one of these models... a mower to fit your individual need.

**RPM MANUFACTURING COMPANY
LAMAR, MISSOURI**

A Subsidiary of Outboard,
Marine & Manufacturing Company

22" LAWN-BOY

- Front "Grass Spray" discharge
- Extra-large 22-inch cut
- 2-cycle engine



21" LAWN-BOY

- 4-cycle engine
- 21-inch cut for larger lawns
- Rear "Grass Spray" discharge



The LAWN-BOY

rotary power mower by



CUTS ANY HEIGHT GRASS!

Yes, you can cut foot high grass with the LAWN-BOY... and it cuts it just as easily as it cuts grass that's only inches high. Test it on overgrown grass. See how easily the LAWN-BOY cuts it. Watch it cut those sprouting weeds or tiny mowers can't get.

Lawnmower



made by the world's largest manufacturer of rotary power mowers

TRY IT...YOU'LL BUY IT

Here's an all new power lawnmower with tomorrow's design today! Feature for feature . . . dollar for dollar, it can't be matched. See for yourself how much easier it handles—how much better it cuts your lawn—how close it trims. Check its "Safety Plus" features. Compare its functional simplicity. No matter what test you give it, the LAWN-BOY's modern design and engineering gives you grass cutting at its efficient best.



LIGHTER!

All aluminum alloy construction gives a magic, featherweight ease of handling. It's plenty light enough for the ladies, still rugged enough to last for years. Double ball bearings in each wheel give it added, extra easier handling.

CLOSER TRIM!

You always get a closer trim with the LAWN-BOY. Runs along fences or walls as close as $\frac{3}{8}$ of an inch. Match that against the big 3 inch bands of uncut grass you get with ordinary mowers. With the LAWN-BOY's close trim you can easily eliminate hours spent in trimming.



CONTOUR-CUT!

Only the LAWN-BOY gives your lawn "Contour-Cut". This exclusive feature—made possible by the LAWN-BOY's wheel placement design—prevents scalping. It means the blade won't dig into humps or bumps in your lawn. No more worrying about chopping up lawn surfaces.

GRASS SPRAY!

The LAWN-BOY's "Grass Spray" gives you both of these advantages: First, you get the assurance that this mower puts all its power into cutting. Clippings are instantly discharged . . . can't back up. Second, the "Grass Spray" feature makes your lawn neater . . . eliminates long, unsightly rows of clippings.



SUPER BLADE!

The special cutting blade is shaped for maximum efficiency . . . it's formed to take best advantage of "grass dynamics". The edges and tips are tempered and hardened to stay sharp.

And here are other features that keep the LAWN-BOY out in front!

- Styling by Brooks Stevens, nationally known industrial designer
- Coast-to-coast service and parts facilities
- Balanced weight distribution
- Height easily adjusted



Look for this sign at your dealer's. Visit his store and see for yourself how much easier the LAWN-BOY handles. Better yet, test it on your own lawn. Try it . . . you'll buy it!

Also Manufactured and Sold in Canada by
Outboard, Marine & Manufacturing Co., of Canada, Ltd.,
Peterborough, Canada





When high meat prices get you down...



QUICK! CHEF BOY-AR-DEE® SPAGHETTI and MEAT BALLS

ready to heat!
real Italian style!

Here's a meal your family will love—and—it's only about 15¢ a serving, *meat and all!*

The spaghetti is tender, tasty, made of choice durum wheat. The delicious tomato-rich sauce is from the Chef's own real-Italian recipe. The meat balls are braised, brown, and juicy. Two cans make four hearty servings. Try it soon!

To save time and money, make one night a week "Chef" Night at your house. Enjoy *all* the Chef Boy-Ar-Dee foods: —Spaghetti and Meat Balls, Ravioli, Spaghetti Dinners, Sauce with Meat, Sauce with Mushrooms, Sauce with Meat Balls, Spanish Sauce. All delicious, all economical.

**ABOUT 15¢
A SERVING**



RUSSIA'S NEW AIRCRAFT

Drawings unmask Red designs which challenge our best

In the race to rule the world's air Russia, which outnumbers the U.S. in military aircraft and outpaces its production, is now known to be flying advanced aircraft as good, or even better than the U.S. has. Although some new designs have been glimpsed by Western observers and at least one is in production, they have been so well guarded that

the drawings on these pages, compiled from many sources, comprise a rare, blueprint view of them. The most radical are interceptors, indicative of Russia's emphasis on defense. But one new heavy bomber design, a type in which Russia always has lagged in both quality and quantity, indicates serious effort to overtake the U.S. in atomic carriers.



LATEST MIG

MODEL 17 HAS DOUBLE JETS

The new MIG 17 is a greatly refined two-engine version of the single-engine MIG 15 which in Korea has outflown but failed to outfight the U.S. Sabre Jet. The new MIG is believed to be capable of fighting at 50,000 feet and climbing to that altitude at 6,000 feet a minute. Unlike earlier MIGs, the 17 carries radar equipment which would make it an effective weapon in any weather. Despite the weight of its two jet engines, whose side-by-side mounting has caused it to be dubbed the "fat MIG," the plane is believed to weigh only about 15,000 pounds, less than the single-engine F-86. Estimated to be in the 650-mph class and to carry armament of four belly-mounted cannons, the MIG 17 has not yet been committed in the Korean war but has been seen in eastern Europe.

ATOMIC BOMBER

THE TYPE 31 OUTCLASSES THE B-36

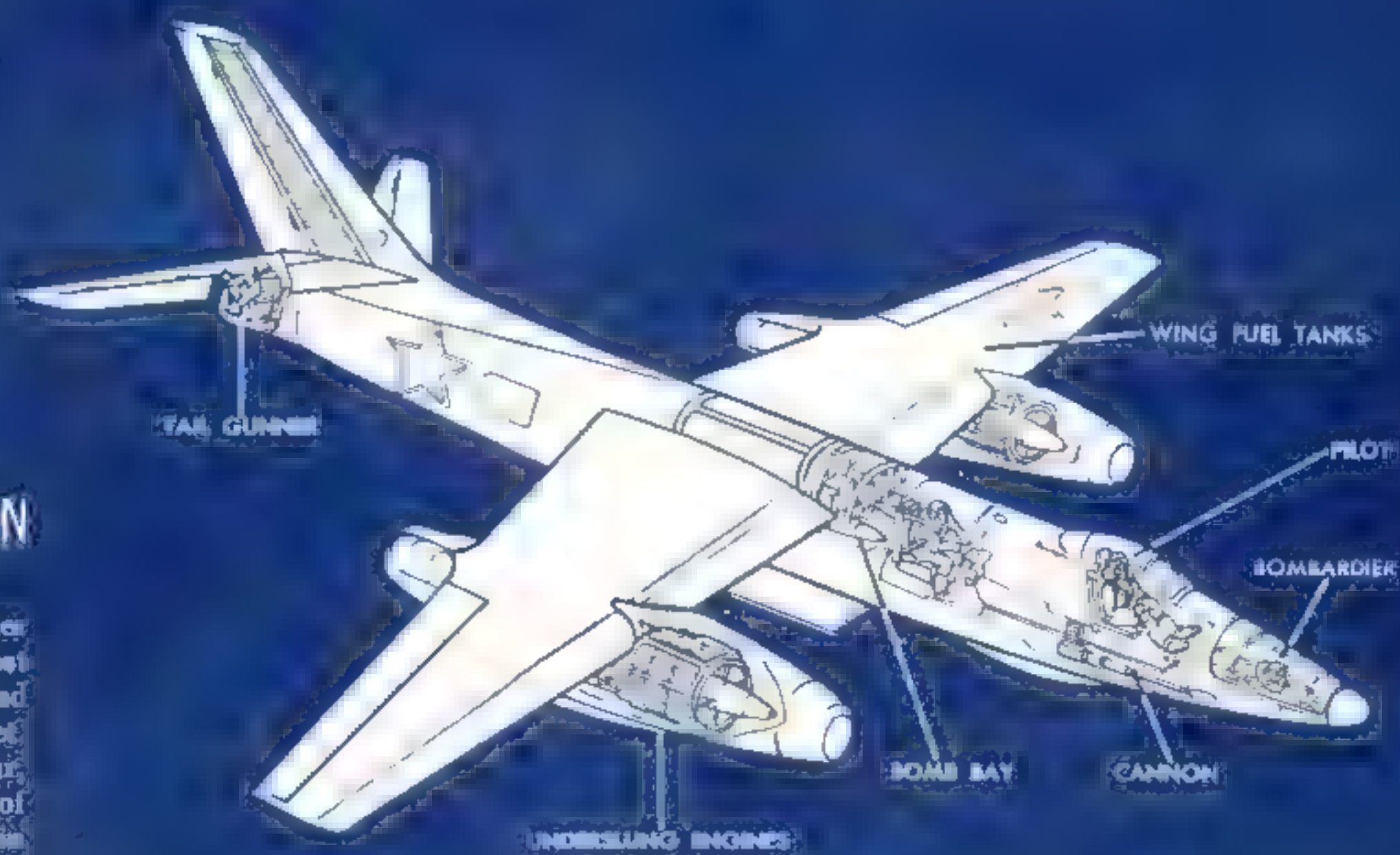
An atomic bomber far outclassing the U.S. B-36, Russia's Type 31 may find its closest competition in the U.S. B-52, not yet in production. The Type 31, believed already flying, impresses U.S. engineers as "startlingly similar to designs on American drawing boards." Its economical turbo-prop engines and a 10° droop of its wings at rest, which indicates a heavy fuel load, suggest a range of 10,000 miles. Its design indicates cruising speed of 500 mph.



LIGHT BOMBER

THE TU 10 IS NOW IN PRODUCTION

In World War II Russia was more effective than any other nation in giving support to ground troops. Russia's most fully developed new type aircraft is the Tu 10, a ground support bomber in the same class as Britain's Canberra jet. The Tu 10 has 70-foot wingspan, carries a crew of four, can fire cannon fore and aft, and carries a bomb-load of around 6,500 pounds. Often seen in eastern Europe, it is known to be in quantity production.



choo... choo...

choose your favorite...

Kellogg's



Roll out freshness and variety...

Keep the whole family happy every morning. Clear the track for Kellogg's Variety Pack and give everyone in your family his favorite breakfast. Ten generous servings, eight different, oven-fresh Kellogg's cereals—there's a real ticket for family fun and convenience. All a-borr-d!

CORN FLAKES, the original—the crisp, crisp flakes with the deep, deep flavor.
SUGAR CORN POPS, golden nuggets—with the sweetenin' already on 'em.
RICE KRISPIES, say "Snap! Crackle! Pop!" to tell you they're Tumble-Toasted.
PEP WHOLE WHEAT FLAKES, Melba-Toasted for extra crispness and rich flavor.
SUGAR FROSTED FLAKES, big, crisp flakes of corn frosted with sugar—Cr-r-reat!
RAISIN BRAN FLAKES, the cereal with the fruit already on it.
SHREDDED WHEAT, in the handy, bowl-size biscuits.
40% BRAN FLAKES, for that "Bran New" feeling.



★ ★ PROVED IN THE ANNUAL MOBILGAS ECONOMY RUNS ★ ★

ALL THE GAS MILEAGE YOUR CAR CAN DELIVER

**You'll Climb Hills Faster—
Save on Gas, too!**

Step out with Mobilgas or Mobilgas Special and enjoy *all* the gasoline qualities you want most . . . *high volatility* for quick starts, warm-ups — *high octane* for smooth anti knock power — *all the gas mileage your car can deliver!*

Yes, you get top economy because you get top performance — maximum quantities of super power ingredients in Mobilgas and Mobilgas Special at the Sign of the Flying Red Horse.



Mobilgas

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**World's Foremost Catalytic
Refining Program
Makes the Difference!**

Catalytic refining — result of 22 years of Flying Red Horse research and development — is petroleum's biggest contribution to the rapid advance in modern engine design. It builds into Mobilgas and Mobilgas Special — super power performance — proved mileage economy — *all the gas mileage your car can deliver!*



THE HIGH-OCTANE GASOLINE!



NEXT STEP

FIGHTER RISES STRAIGHT UP

The logical, almost inevitable requirement of Russian air defense is an interceptor able to start anywhere and reach 50,000 feet in two minutes. Evidence exists that they are experimenting with delta wing, rocket craft designed to take off straight up. Its possible characteristics are illustrated in these drawings, based in part on meager information leaks but entirely on sound aerodynamic possibilities. Primary power probably would come from an adaptation of the German HWK-509 Walter engine, which became available to the Russians when the war ended. Burning compounds of methyl alcohol, hydrazine hydrate and hydrogen peroxide, these engines deliver twice the thrust of an American Sabre Jet.

The thin delta wing design would help reach fighting altitude at supersonic speed while also aiding stability during the slow speeds of vertical take-off and landing. Coming down nose up, the plane would be braked by a combination of "drogue" parachutes and by cutting down down-pointed auxiliary rockets in the fins.

JOHN T. MCCOY

OUTSHAVES ANY LATHER OR BRUSHLESS CREAM



YOU'LL NEVER GO BACK TO LATHER OR BRUSHLESS CREAM AGAIN!

RAPID-SHAVE outshaves any old-fashioned lather or brushless cream because no lather or brushless gives you all these big advantages!

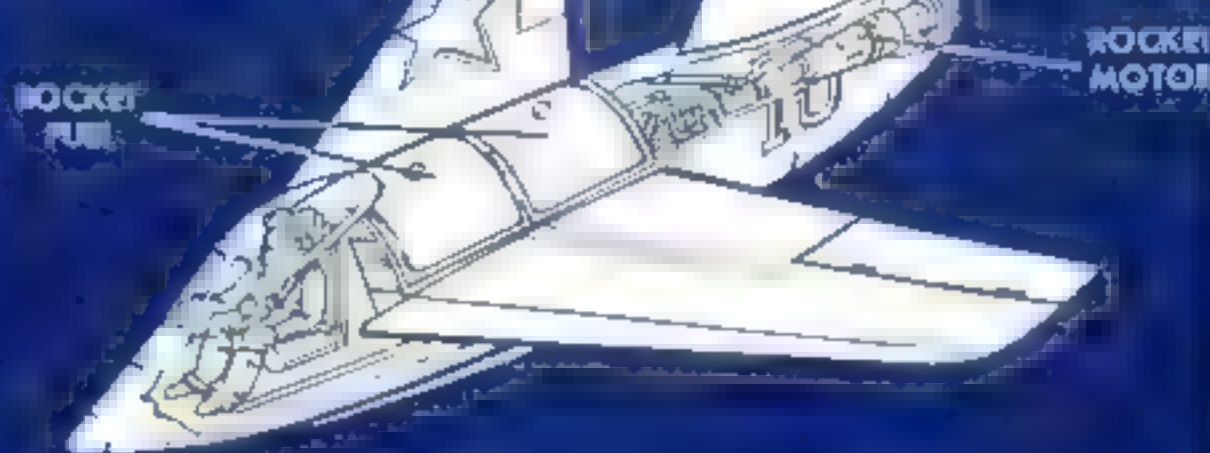
QUICKER AND EASIER! Just press the button and—whish—instant lather! Richest, thickest, creamiest lather you've ever known!

TAKES THE FIGHT OUT OF WHISKERS IN SECONDS! Yet with all its advantages over old-fashioned lather and brushless creams, it's only 79¢ a can. For the shave of your life—get **RAPID-SHAVE** today!

MORE THAN 70 SUPER SHAVES— ONLY 79¢



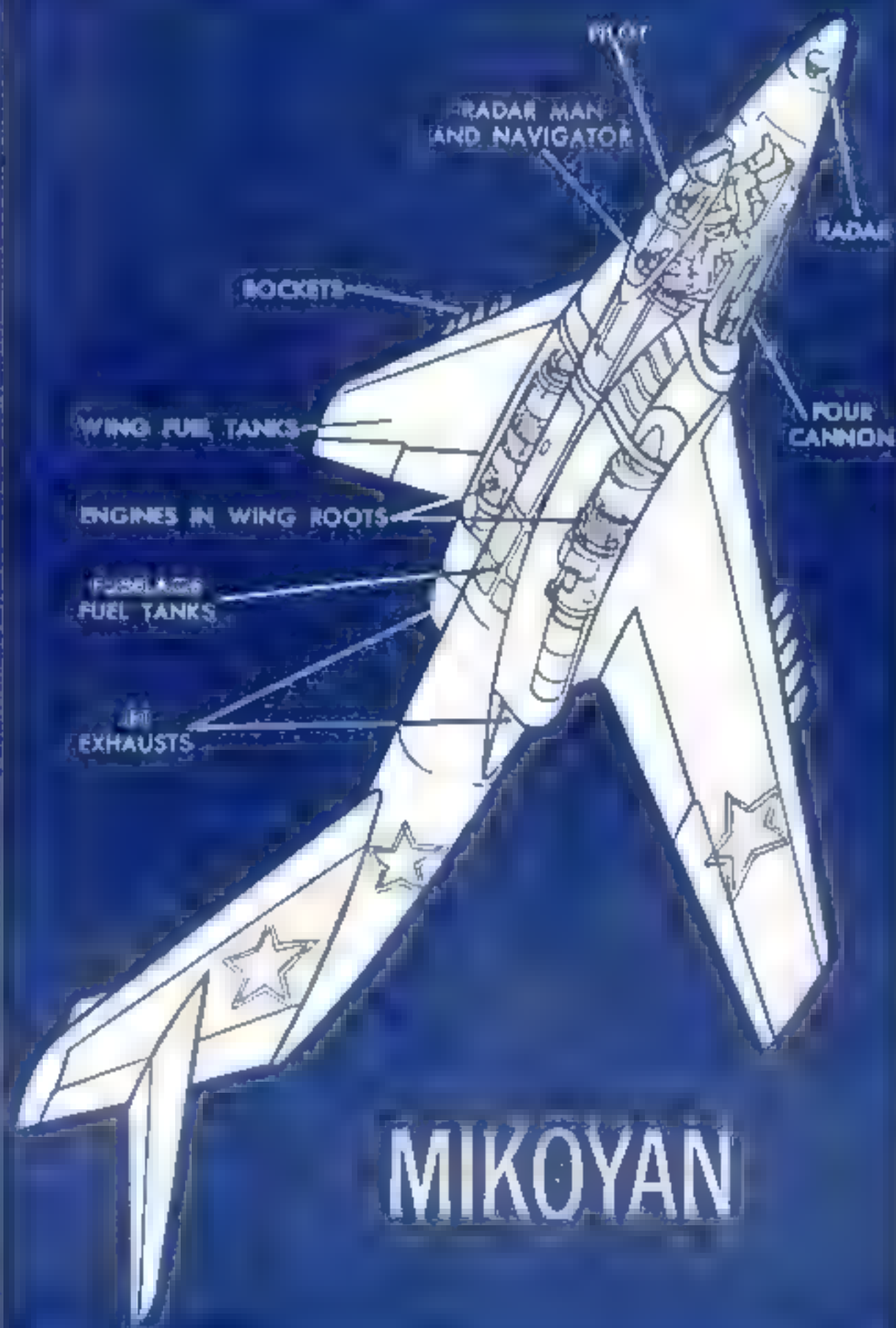
YAK 21



PLANES ARE SPECIALIZED

The only rocket-driven military plane the Russians are actually flying is the Yak 21, a step toward the vertical interceptor described on page 75. Highly specialized, the 21 should be able to climb 12,000 feet a minute and exceed the speed of sound. Because of high fuel consumption, it probably cannot stay aloft more than 20 minutes and, having no landing gear, has to alight on its belly. The U.S. has no known counterpart for this refinement of German rocket design.

Another specialized plane is the all-weather twin jet Mikoyan fighter which may be in the 700 mph class. About the size of the U.S. F-89, the Mikoyan puts Russia well abreast of U.S. and British designers in this plane category.



MIKOYAN

If you like beer You'll Love Schlitz

*No harsh bitterness . . .
Just the kiss of the hops*

This dry and mellow beer . . . this beer of matchless flavor . . . is the world's largest seller. More bottles and cans of Schlitz are bought year after year—*millions more*—than of any other beer.



Schlitz is available in quart bottles, 12-ounce bottles and cans, and the 7-ounce bottle that holds just a glassful. Also in 24-Pak and handy 6-Pak cartons of cans and "one-way" bottles that require no deposit.



ON TV EVERY WEEK—The popular
"SCHLITZ PLAYHOUSE OF STARS"—See
your newspaper for time and station.



The Beer that Made Milwaukee Famous

Try this New Easy



Here's the
quick-n-easy way
to glorify chicken!

**1 package SWANSON Quick-Frozen Cut-Up Frying Chicken
(or SWANSON Chicken Parts)**

**1 cup flour 1½ teaspoons salt ¼ teaspoon pepper
1 cup MAZOLA Salad Oil, for frying**

Thaw SWANSON Chicken according to directions on package. Open box without tearing. Dry box with towel and sift flour, salt, and pepper into box. (Break back of chicken to flatten.) Place three pieces of chicken at a time into the box of seasoned flour. Put top on box and shake well to coat pieces with flour. Heat MAZOLA in heavy

skillet, over medium heat about 3 minutes. With fork carefully place chicken into hot MAZOLA. (The use of two pans will greatly simplify cooking.) Cover. Fry, turning frequently, until tender and well browned, 15 to 30 minutes. A large chicken may need to cook longer. Remove chicken; drain on absorbent paper. Makes 4 to 5 servings.

~do Chicken Fry

SWANSON'S plump, tender chicken is ready
for the pan...and MAZOLA fries it to
rich, golden-brown perfection

Now here's a chicken feast as easy to fix as it's wonderful to eat! Lady, you'll never bother with ordinary chicken after you've tasted a Swanson fresh-frozen chicken fried in Mazola®. Perfect!

You see...Swanson does the hard work. Scientifically raised birds (all under 14 weeks old) are washed beautifully clean, plucked of pin feathers... then cut into eleven convenient pieces and quick-frozen... fresh! It's chicken like you never ate before!

And when it comes to frying you'll love Mazola. This pure, clear vegetable oil is so clean and convenient to use... it quickly sears over the chicken... seals in the rich juices and flavor... really glorifies to a tender, digestible, golden-brown goodness. There's nothing quite like Mazola for frying... once you've tried it you will always prefer it.



By special arrangement, Swanson is able to save you 10¢ on the purchase of one quart or two pints of Mazola. For a limited time only, in every package of Swanson's Fresh-Frozen Chicken (cut-up fryers, breasts, drumsticks, thighs, wings) is a coupon worth 10¢—it's an invitation to you to try chicken crisp-fried in Mazola—you'll love it!

Look AT THE STYLING

Admiral cabinetry reflects tasteful styling, painstaking workmanship, and the finest materials. Whether you prefer traditional, modern, or provincial design, your Admiral will keep its timeless beauty in harmony with your cherished home furnishings. Created for cheerful modern rooms, this stunning 21" TV Model 222DX27 is equipped with Admiral's great new long distance Super Cascade Chassis . . . with non-glare Super Panoramic picture tube . . . new wide range tone control.



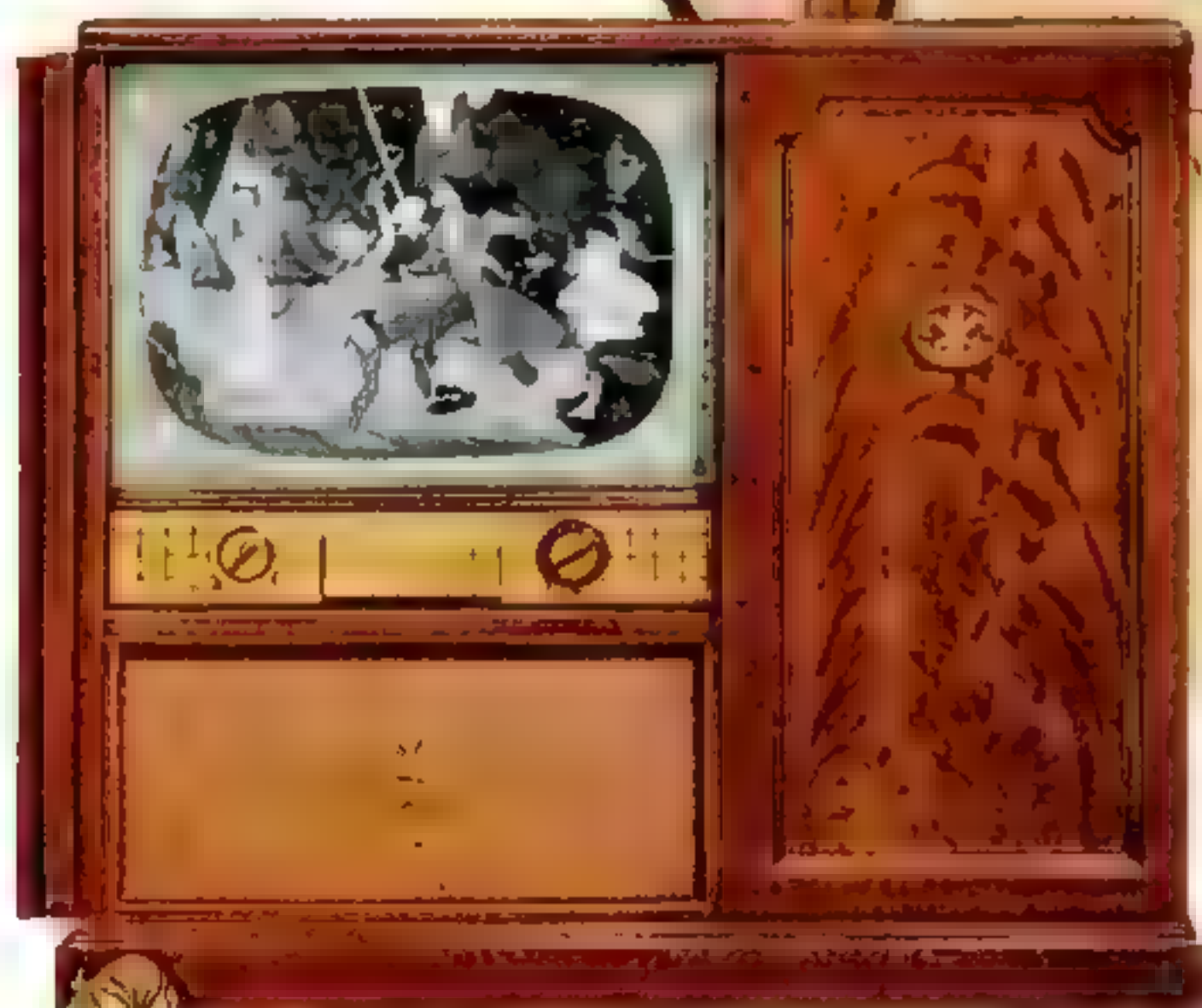
FREE!

Peter Pan TV Studio

Boys—girls—just take Mom or Dad to your nearest Admiral Dealer's store!

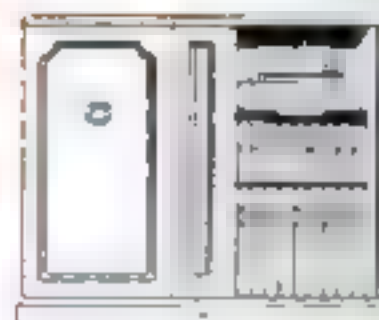


3 "Looks" tell why
Admiral is
your best TV buy



Look AT THE PERFORMANCE

TV's clearest, brightest pictures in city or "fringe", thanks to amazing long distance Super Cascade Chassis. Plus—choice of two VHF-UHF tuners—economical 12-Channel Turret Tuner or exclusive new 82-Channel Tuner! See this brilliant performance in Model 322DX16 with 21" non-glare Super Panoramic picture tube—245 square inches . . . "TV-Integrated" Radio . . . Super "600" Triple-Play Phonograph!



Look AT THE VALUE

Admiral brings you the cabinet styling you want, the superior performance you deserve—at the price you want to pay! You get America's most wanted picture size, 21" TV—at a 17" price—in consoles, combinations and table models—starting at only \$199.95! See the modest price tag on 21" TV Model 221DX26L with Cascade Chassis and Super Dyna-Ray picture tube—252 square inches—21" TV's greatest viewing area . . . in hand-rubbed mahogany.

DON'T MISS WALT DISNEY'S MOVIE "PETER PAN"

Admiral

WORLD'S LARGEST TELEVISION MANUFACTURER

FIRST IN VALUE . . . STYLE . . . PERFORMANCE

ON TV—See and hear Bishop Fulton J. Sheen, "Life Is Worth Living." See local paper for time and station. Prices include Federal Tax and warranties—subject to change without notice.

PATTERSON FIELD



IN A RARE TRIP AWAY FROM HIS PENTAGON DESK, WILSON IS BRIEFED AT WRIGHT PATTERSON AIR FORCE BASE, DAYTON, OHIO BY MAJ. GEN. ALBERT BOYD

SECRETARY OF DEFENSE

CHARLES E. WILSON

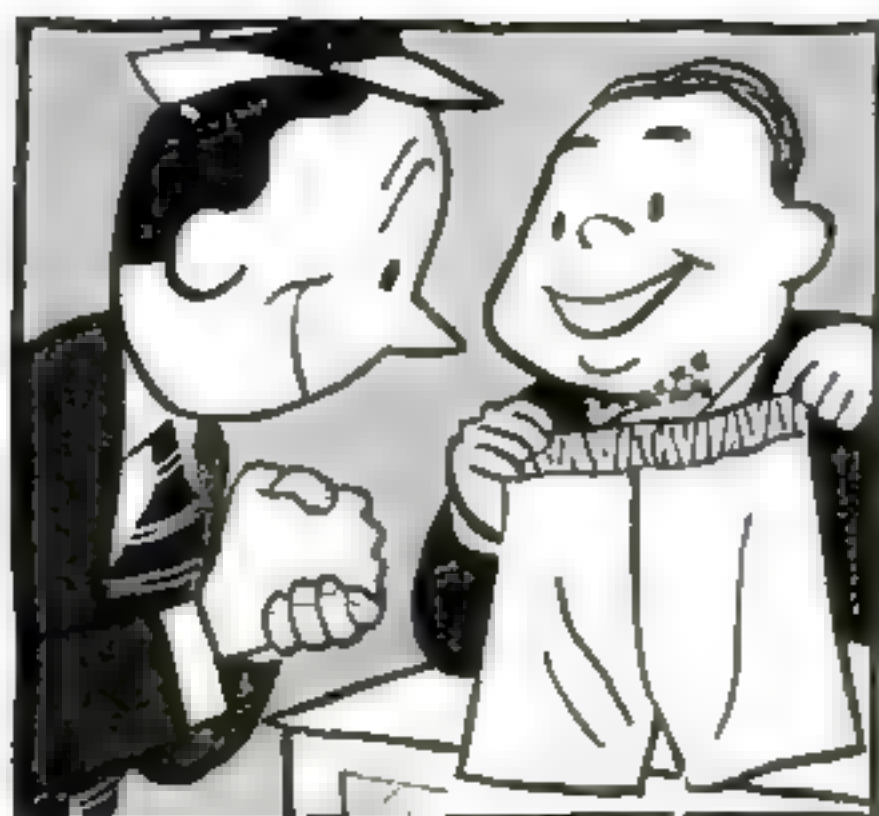
TRAINED IN BIG BUSINESS, HE NOW RUNS PUBLIC'S BIGGEST BUSINESS

Since taking office two months ago, Secretary of Defense Charles E. Wilson has seldom left his nine-foot Pentagon desk except to sleep. Starting shortly after 8 a.m., he and his assistants have been working frequently into the night, Saturdays and Sundays. Their immediate chores: the budget and studies on defense reorganization. "Engine Charlie" Wilson likes hard work, as he likes big jobs. He ran the nation's biggest industrial enterprise, General Motors, before stepping into the lead job in the nation's largest public business. The asset that got him the first job got him the second—managerial ability.

The Wilson approach has been a steady cautious cutting away of the underbrush, whilst making sure the trees are left standing. In cutting the

relatively small number of 30,000 civilians from Defense's rolls, he has made it plain that trimming the budget must be done by taking off a few millions here, a few there—not by gaping chunks. To help him find ways to reduce armed services manpower and spending and to revamp the vague lines of authority in the department's top organization (p. 85), he has appointed a seven-man committee headed by Nelson Rockefeller. In one of the toughest jobs in Washington, Wilson got off to a rough start when senators questioned his right to hold both his GM stock and the Defense post. Since then Wilson has been out of the public eye preparing for his biggest test: in late April or early May when he must go to the Hill to justify, explain, cajole or demand to get his budget through Congress.

If you like
BOXERS



you'll love
**IMPROVED
BOXERS**



They **STRETCH**
for **COMFORT**
and provide a...



**WAIST OPENING
with GRIPPER
SNAP FASTENERS!**

1. Easier to get in and out of!
2. Keep comfortable stretch longer!
3. More convenient—neater!

Available in leading brands everywhere.

GRIPPER®
BRAND
Snap Fasteners

© by Scovill Mfg. Co., Waterbury 20, Conn.

A product of **SCOVILL**

THE LAUNDRY-PROOF SNAP FASTENERS THAT END 'BUTTON BOTHER'!

CHARLES E. WILSON CONTINUED

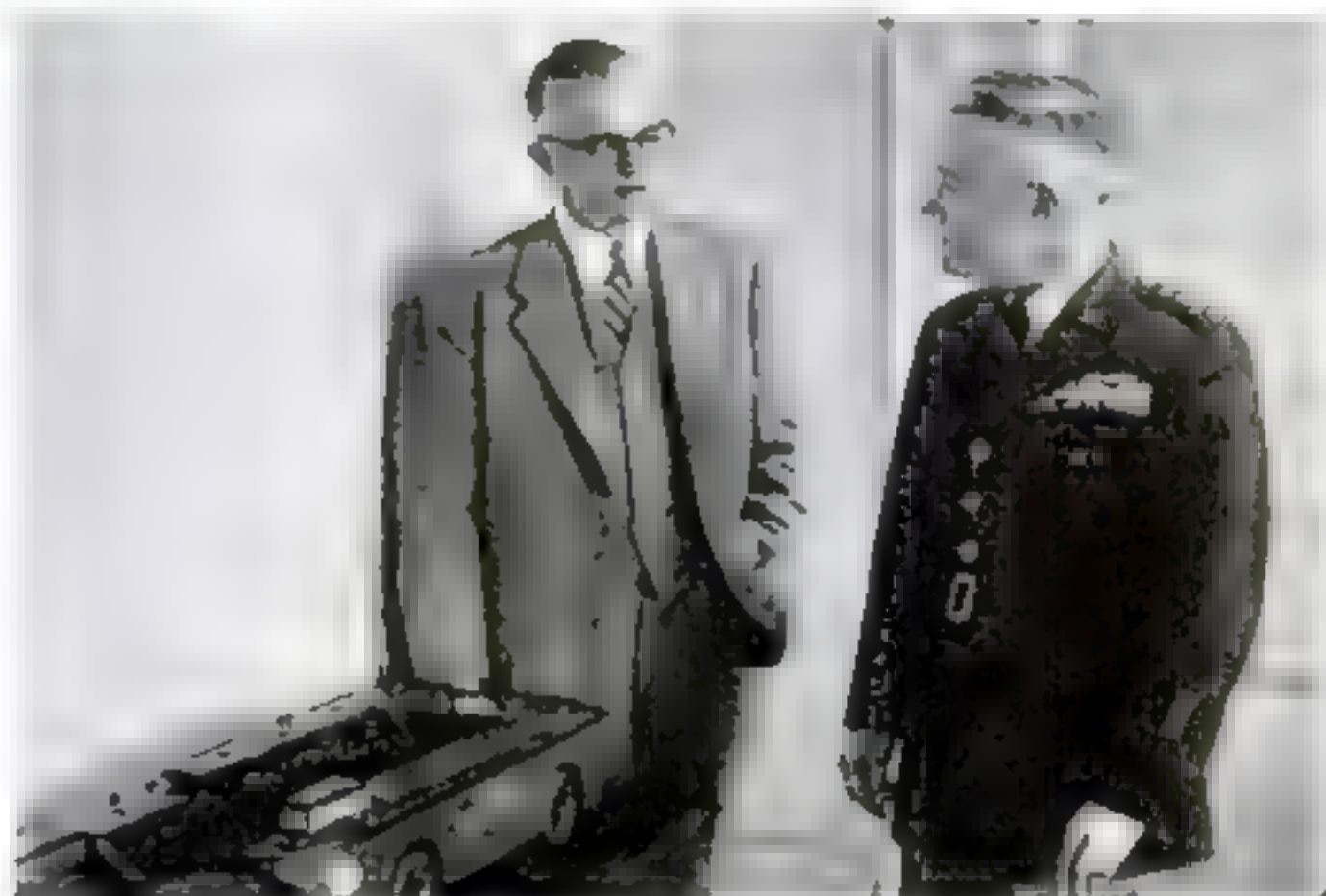
DEPUTY SECRETARY

Roger M. Kves, who was General Motors vice president, heads team of top business executives Wilson picked for assistants.



AIR SECRETARY

Harold E. Talbott, associated with aviation companies since 1916, confers with Air Force Chief of Staff General Hoyt Vandenberg.



ARMY SECRETARY

Robert T. Stevens, former board chairman of textile firm, and Army Chief of Staff J. Lawton Collins inspect model of "BARC."



NAVY SECRETARY

Robert B. Anderson was manager of the Waggoner Estate, which operates a big oil business and Texas' second largest ranch.

CONTINUED ON PAGE 11

So new! So exciting! Because...

Firestone Velon[®] makes them lovelier than you ever dreamed practical plastics could be!



BEDROOM BEAUTIES. Velon headboard has panel for inserting bedspread fabric. Night stand doubles as a storage chest. 3 colors. By Hettrick. Headboard about \$10. Night stand about \$20.



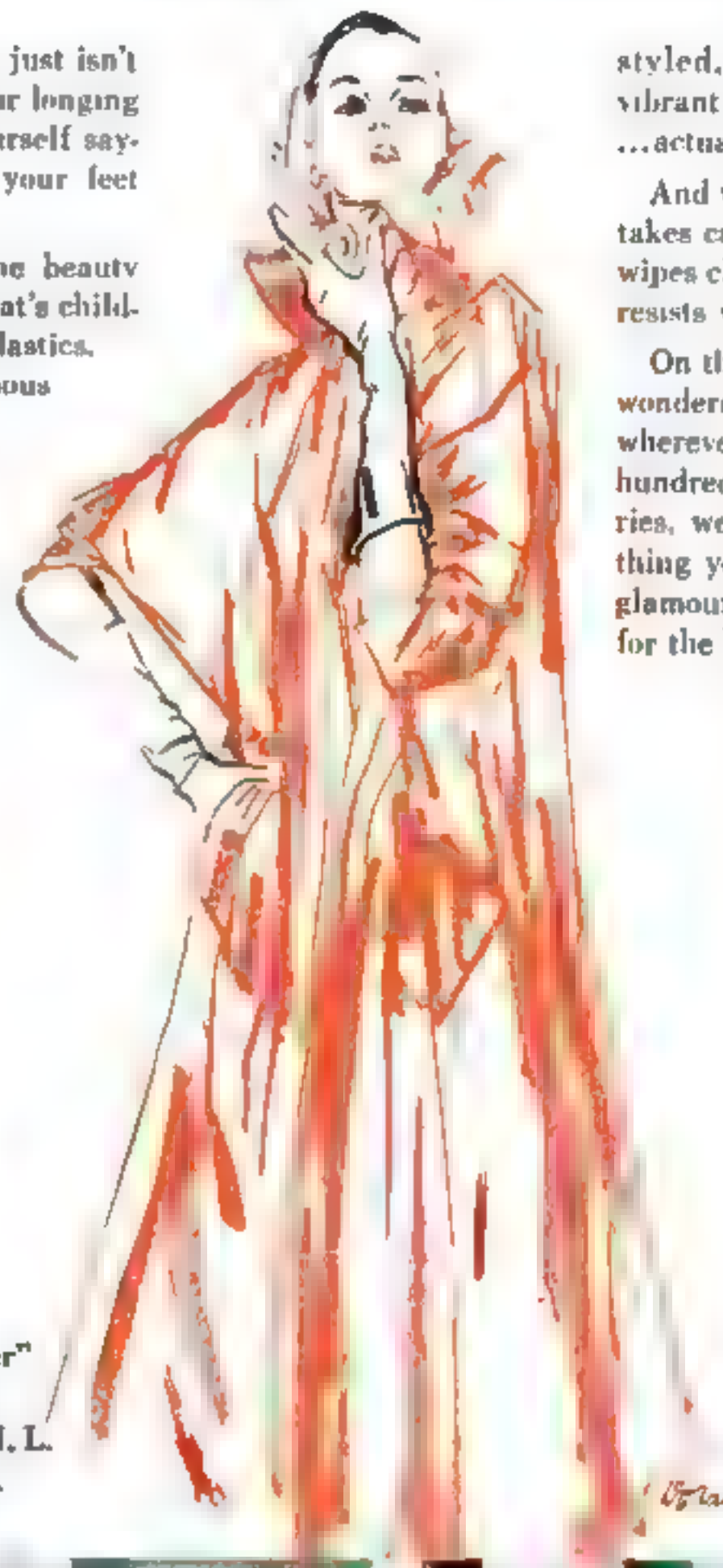
LAY IN YOUR GARDEN. Colorful woven Velon makes lightweight, sturdy, garden umbrellas and chairs. By Finkel. Wicker chair about \$18. Yacht chair about \$12. Umbrella about \$30.



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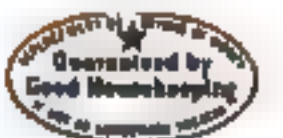
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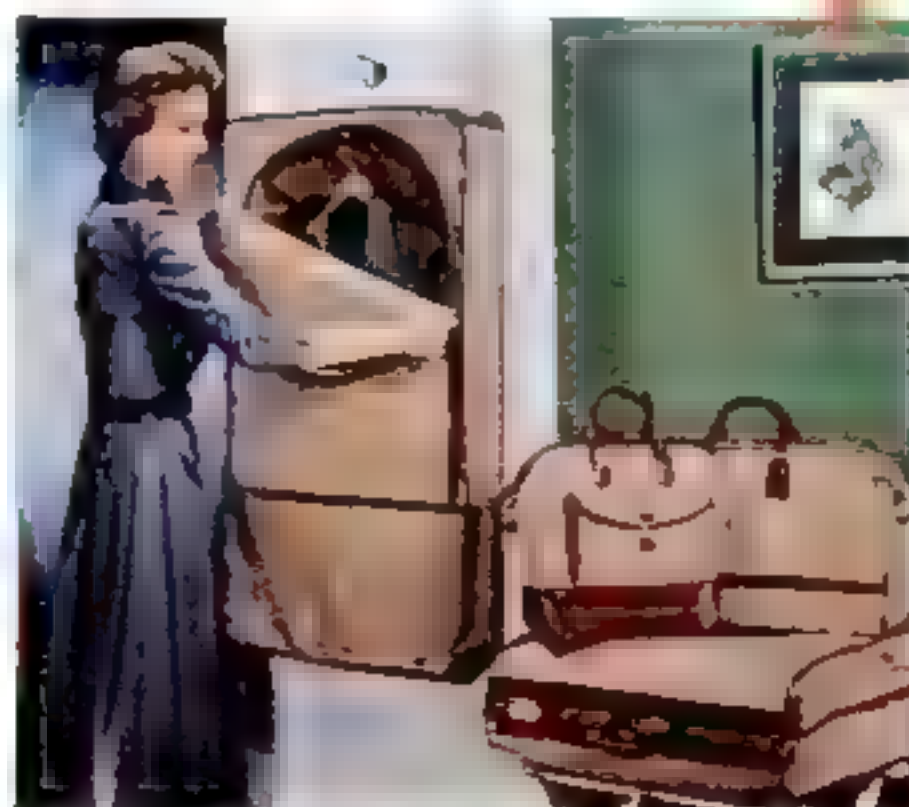
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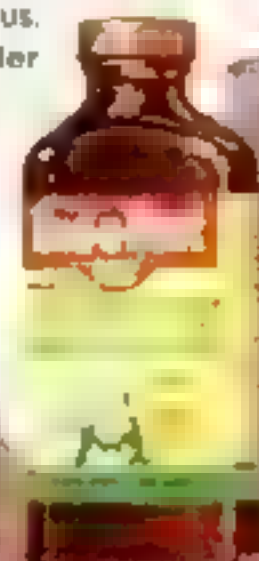
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DEFENSE IS UNIFIED ONLY IN NAME

Charles Wilson as Secretary of Defense has an awesome responsibility, second only to that of the Commander in Chief. The department he heads is the biggest in U.S. government, manned by 1,330,168 civilians, responsible for 3,507,000 in the armed services. Last year it spent 40 billions, which was 60% of all government expenditures.

Age-wise this giant is an infant, technically the youngest of all executive branches. It was created in 1947 by merging the ancient departments of War and Navy and creating a third subordinate branch, Air Force. The objective of the merger was to unify the jealous services. But the objective has never been attained. The act, conceived in the midst of fierce controversy, was essentially a compromise. Because the services could not accept an over-all boss Congress made the new Secretary a coordinator and arbitrator of their fight for the budget dollar. Of this continuing battle Dwight D. Eisenhower, then Army Chief of Staff, once said, "No one who has not been in the middle of it can possibly realize how bitter and costly service rivalry is."

The frustration of this position, which gave the

Secretary of Defense enormous responsibility but inadequate authority, helped bring about the breakdown of the first Secretary, James V. Forrestal. He committed suicide soon after resigning. His successor, Louis A. Johnson, plunged ahead, cutting the budget and boasting he was strengthening defense by spending less. In 1950 he boasted, "Joe Stalin will know that if he starts something at 4 a.m. the fighting power of the U.S. will be on the job at 5 a.m." When the Korean war started and it was obvious that the U.S. was not ready for the job, Truman replaced Johnson with aging General George C. Marshall. "I feel I can really do this one," he said on taking over. He retired 12 months later, obviously worn out by his exertions, and was succeeded by the able Robert A. Lovett. Before turning his portfolio over to Wilson, Lovett frankly summed up his criticism of the department as it is now constituted and frankly outlined the problem that now confronts the new Secretary. Said Lovett of the department, "We should not deliberately maintain a Department of Defense organization which in several parts would require drastic reorganization to fight a war."



WILSON'S WEAPONS in providing adequate defense for U.S. include atomic sub, M-48 tank and 75-mm antiaircraft

Skysweeper (on table), and hanging from left) B-17, F-81 with rockets under wings and C-123 Assault Transport.



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THE FACE OF THE LAND

Its ever-changing features are molded by warring forces
that thrust up mountains and ceaselessly wear them away

Text by LINCOLN BARNETT

There is nothing constant in the universe,
All ebb and flow, and every shape that's born,
Bears in its womb the seeds of change.

OVID, *Metamorphoses*

IN his own admiring eye man sees himself as the master of his environment and the author of all the changes he observes about him. The stony encrustations of his cities and towns overflow and atrophy the green countryside. His steel rails and concrete roads dissect the prairies and reshape mountain passes. His towering dams block entire river valleys and create huge new lakes.

As he makes minor alterations to suit his needs man seldom discerns that the natural world may be undergoing vaster changes through agencies beyond his control and at a rhythm too slow for him to perceive. He once thought that the features of the earth existed always—an illusion derived not only from the brevity of human memory, but from the brevity of human history. Although the great mountains and valleys, plains and plateaus of the earth are older far than history, they did not exist always, nor will they persist until the end of time. Every hill and highland, cliff, crag and rock is being eaten away by rain, frost, wind and ice; and in time the mightiest mountains will be leveled and washed away into the sea. The "everlasting hills" of the poet do not exist—there are no everlasting hills.

Yet this does not mean that in the end the earth's surface will be reduced to a flat, featureless plain. For with every mountain that is obliterated from the earth, a new one comes into being. The face of the land is self-renewing and ever-changing, as mobile and inconstant in the long perspective of geologic time as its hovering cloud canopy appears in man's tiny temporal range. Even the earth's greatest relief features—the continental platforms and ocean basins—whose main outlines were molded in the planet's infancy ("The Earth Is Born," *LIFE*, Dec. 8) do not preserve a wholly immutable relationship, but continually yield and recapture areas of their ever-shifting rival domains. And as the continental outlines recurrently change their pattern, now surrendering to the sea, now invading it ("The Miracle of the Sea," *LIFE*, Feb. 9), so the vertical profile of the land rises and falls in age-long cycles of upheaval and disintegration.

Every inch of the earth's surface is subject to immense antagonistic forces of construction and destruction, of lifting up and wearing down. The forces of uplift, originating deep in the interior of the planet, compel the crustal rocks periodically to buckle and bend upward, creating highlands, plateaus and mountain ranges. In opposition, the indomitable forces of the atmosphere strive incessantly through erosion to erase the earth's high places and to transport their substance by wind and running water to the valleys and the sea. Together these internal and external forces of creation and demolition have shaped the face of the planet since time immemorial. They are the coarchitects of every landform, great and small, that man sees on the earth today.

In some areas of the earth the forces of construction appear momentarily to hold

sway. Here the land is restless, shaken by earthquakes, perforated by active volcanic fissures which recurrently pour forth masses of molten lava, cinders and ash, erecting new mountains that may change the horizon in a few months or years. Here too at a vastly slower tempo other mountains may be taking form—some by folding of the earth's crust, others by fracturing of the crust and the repeated uplifting of whole sections of the surface rock. Everywhere in such areas the rocks are freshly tilted, crushed and deformed; the mountains, high and precipitous, hunch sharp shoulders to the sky.

But wherever the forces of destruction are dominant, the landscape wears a different countenance. The hammering of rain, the surgery of running streams, the scouring of glaciers, persevering through eons of time, working together to cut down and eradicate the heights and promontories of the planet, produce in the end plains and lowlands, velds and prairies, steppes and flatlands, some studded perhaps with low, rounded hills or ridges of residual rock, others incised with broad valleys down which languid streams meander to the sea.

It was only two centuries ago that scientists began seriously to wonder what forces shaped the complex and enigmatic face of the land. In the beginning they fell into the human error of attributing to nature impulses and caprices as frenetic as man's own. It appeared that a deep canyon or rocky gorge must necessarily be the product of some ancient earthquake, a rift opened violently by a splitting asunder of the earth's crust; or that a wild vista of scarred and jumbled mountain peaks with sheer precipices, dizzy pinnacles and spires must be the monstrous wreckage of some huge catastrophe that shook the earth. Such inferences were understandable, for the most memorable events are violent ones; and since our civilization evolved around the rim of the Mediterranean—a region subject to earthquakes and volcanic action—the first earth scientists were inevitably "cataclysmists" or "catastrophists."

Not until geologists began to study exposed rock in ravines and mountain walls did they begin to discover order in the apparent chaos of terrestrial scenery, and realize that it might be possible after all to read the contours of the land and explain what agencies ordained that in one place high peaks would penetrate the clouds and elsewhere plains and prairies would extend the horizon for mile after level mile. As clues reiterated, they came to understand that every feature of the earth, however disguised or disfigured by the ravages of time, was the product of a majestic scheme of opposing forces affecting the entire planetary sphere. They learned that the features of the earth's face could be adequately accounted for by cumulative processes, operating not only in the past but in the visible present. The river valleys of earth, they found, were not torn open by violent paroxysms of the earth's crust,

but slowly excavated by running water over immense periods of time—the rain gully of today is the canyon of tomorrow. They discovered in the present the key to the past and, by the same token, the key to the future. "We find no vestige of a beginning," wrote the pioneer geologist, James Hutton of Edinburgh in 1785, "no prospect of an end."

Illustrations by SIMON GRECO,
based on drawings by VINCENT KOTSCHAR

Photographs by ANDREAS FEININGER,
JOHN SHELTON and ROBERT FRAMPTON,
LOOMIS DEAN, LAURENCE LOWRY, JOSEF MUENCH

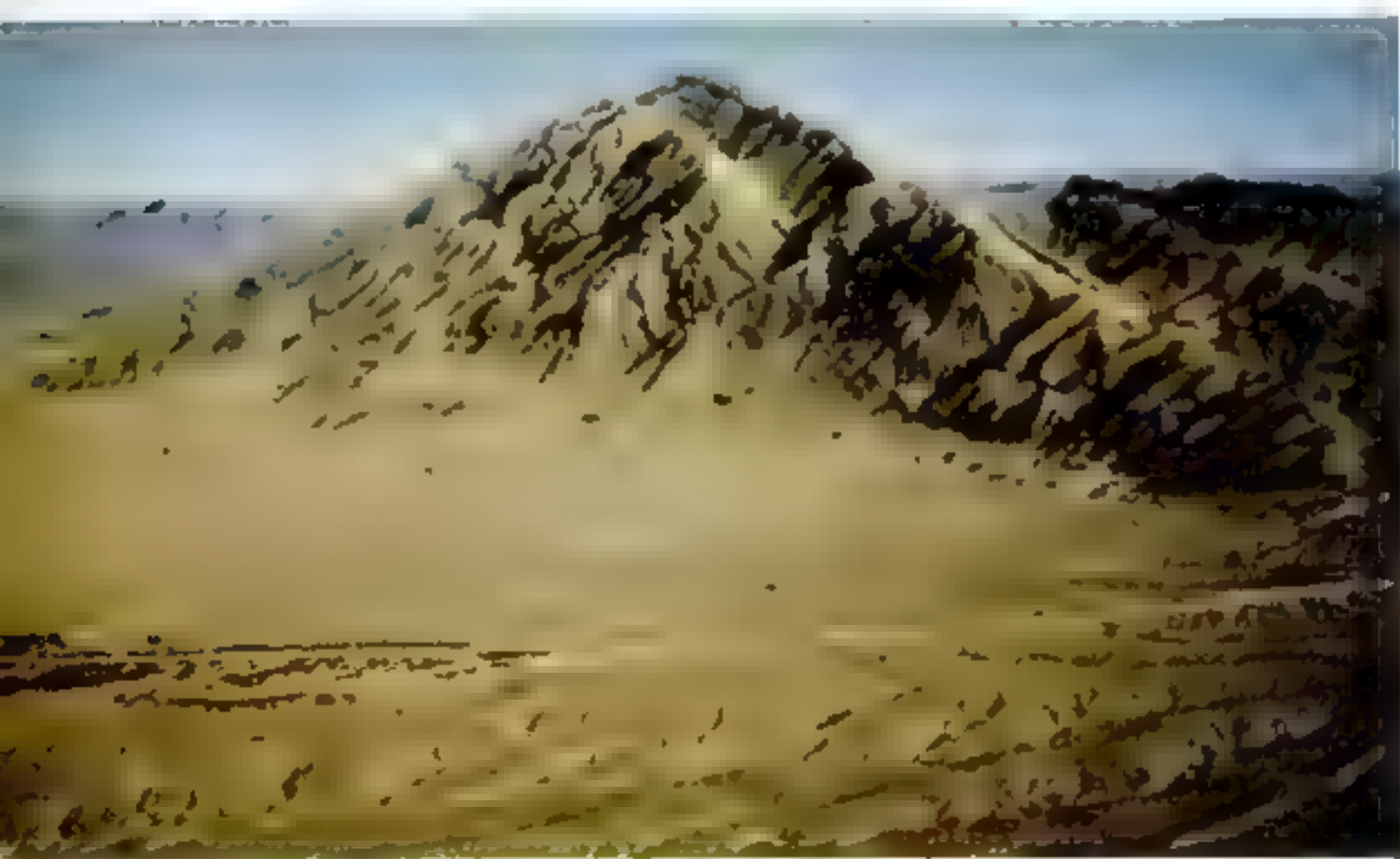


UPLIFTED LAND, a fold of layered rock raised by Tertiary pressure created Sleep Mountain in Washington's Lost River Mountains. A year ago the once-eye-seen ends of an ancient seabed were pushed up into a massive cone far

greater than the present mountain. Assailed by frost, wind and rain, its top was worn away. But its inner spine and a rampart of concentric rock ridges remain as monuments to the ceaseless conflict between earth-shaping forces.



A VOLCANO, snow-crowned Mt. Hood towers high above Lost Lake. Ore. Extinct or dormant, Mt. Hood is a composite volcanic cone built by alternations of quiet lava flows and violent eruptions of cinders and other fragmentary material.



A BLOCK MOUNTAIN near Las Vegas, Nev., was reared by fracturing of the surface rocks and the uplifting and tilting of a small segment of the earth's crust. The front wall of the mountain has been deeply scarred and seamed by erosion.

THE LAND: STIRRINGS IN THE EARTH

THE processes of mountain-building have been more difficult to interpret than those of valley sculpture, owing in part to the common misconception of the earth's crust as static and unyielding. Yet the earth is by no means either static or unyielding. Its rotation about its vertical axis causes it to bulge at the equator and flatten at the poles (creating a difference between equatorial and polar diameters of 26.6 miles). It is now known, moreover, that there are tides in the earth's crust as well as in the sea, for just as the transit of sun and moon across the oceans draws the earth's waters upward in gravitational response, so they cause the land to bow upward in a slight tidal movement of about eight inches at the equator. Far greater, however, than these daily tidal stirrings are the earth-shaping movements of the planet's crust, some abrupt, some slow. There are probably few areas in the world that have not been moved many



A CINDER CONE in Lassen Volcanic National Park, Calif. was created by fierce eruptions of lava and gas from volcanic fissures perhaps a thousand years ago. Its regular contours are characteristic of this type of mountain. When gas-larged

times. Everywhere around the globe there is evidence that the earth's crust is a mobile thing, governed by powerful forces and subject to vast disturbances which change the contours of continents and build great edifices of rock, like the mountains shown above.

The most obvious of crustal movements, which in the past have most deeply stirred the imagination and evoked the terror of men, are earthquakes. Actually the outer layers of the earth's crust quake constantly in response to the strains imposed by city traffic, waterfalls and even the moving tides of the sea; terra firma is an illusion. But apart from such minor tremors thousands of violent and destructive earthquakes have occurred in recorded history. Although they originate most frequently in certain well-defined areas of the earth, chiefly around the rim of the Pacific Ocean, no region is entirely exempt. Sudden fractures or displacements of the crustal rock along planes of weakness which geologists call "faults" often revise the landscape in a few moments of earthshaking upheaval. In 1906 a



lava is extruded rapidly and with explosive violence, it is fragmented, quickly hardens, and showers down around the volcano's vent in a more or less symmetrical cone. Thereafter it tends to preserve its form, relatively immune from

erosion by water, for even the heaviest rainfall is readily absorbed by the porous cinders of its conical surface. The graceful cone shown here rises about 700 feet above the surrounding terrain. It last showed symptoms of activity in 1851

horizontal shifting of ground along the San Andreas Fault not only brought devastation to the city of San Francisco, but for a stretch of 270 miles along the fault severed fences and offset roads by as much as 21 feet. Faulting may also cause vertical displacement of the crust; in the great Alaska earthquake of 1899 a section of the coast was lifted nearly 50 feet.

Earthquakes represent the final, abrupt and violent yielding of the rocks to stresses that have been building up over long periods of time—a sudden release from tension like the fracture of a bent stick. But sometimes the compressive forces in the crust act so deliberately and over such long periods of time that the rocks do not break. Instead they buckle, warp or fold. When this occurs the land is gently elevated into domes or depressed into basins and valleys.

One of the deepest mysteries of geophysics is the source of the enormous forces that deform the earth's face, rupture its bedrock and throw up mountain chains. A classic theory explains the buckling

of the crust as the consequence of the cooling and contraction of the earth's hot interior. Today scientists feel that this cannot be the whole answer, and indeed, a completely satisfactory explanation for the process of mountain-building has not yet been evolved. One clue may derive from investigations which have indicated that the density of rocks in mountains is less than that of the rock which underlies them. A mountain may thus be envisaged not as a tremendous burden on the earth's crust, but rather as an iceberg whose lighter substance, rising above and extending beneath the surface, is in effect "floating" on the heavier rock beneath. And so it would appear that all around the globe the earth's crust maintains a balance between highland and lowland, a state of equilibrium which geologists call *isostasy* (from the Greek: "equal standing"). As mountains are gnawed away by erosion and their debris washed away into the sea, reascent highlands slowly rise; for the earth adjusts temporary states of imbalance in its crust through the slow plastic flow of deep-lying rock.

THE LAND: HOW MOUNTAINS ARE BORN

ALTHOUGH to observers of normal sensibility, mountains may exhibit certain esthetic differences, the mantle of soil and vegetation that covers most areas of the land conceals its underlying geologic structure from the untrained eye. Yet the geologist, by studying deformations and discordances of exposed rock, can generally determine what constructional processes brought the many different landforms into being (painting at right) and thus explore the genealogy of the great relief features of the earth.

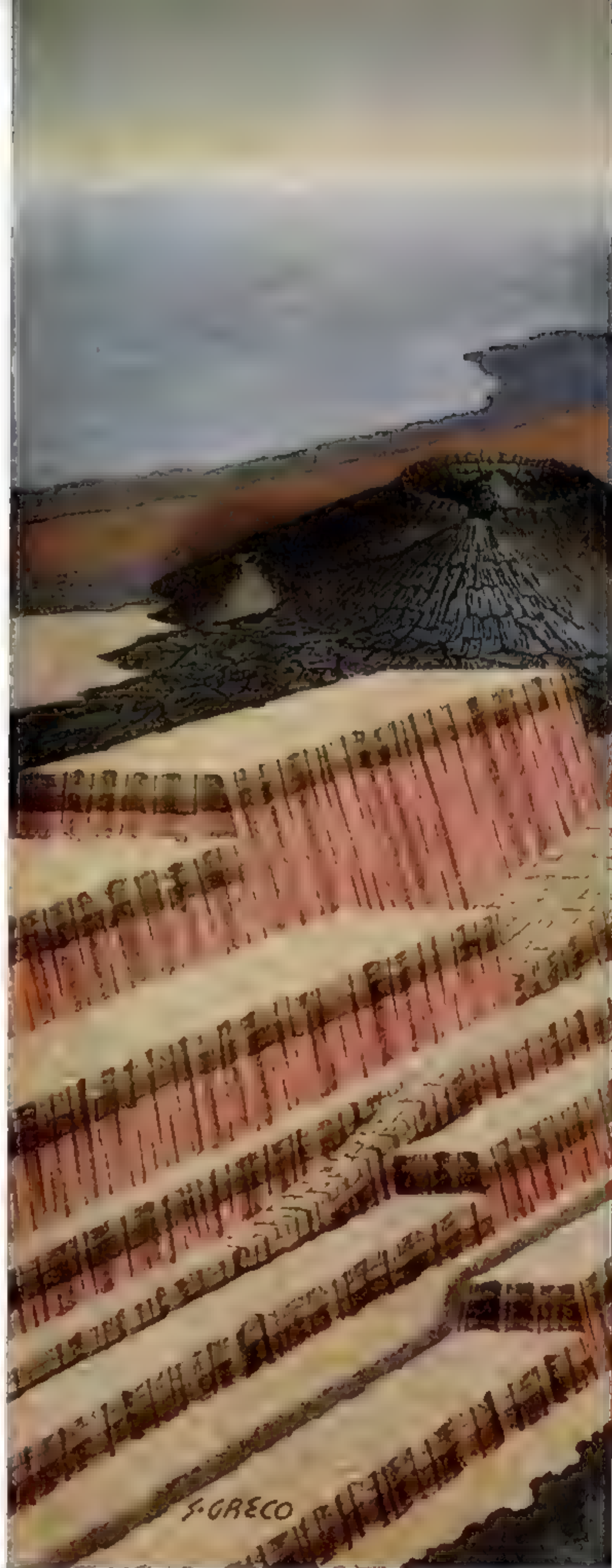
There are three principal categories of mountains: volcanic mountains, block mountains and folded mountains. The first type is the easiest to identify. Most volcanoes look like what they are, enormous, conical heaps of congealed lava and ash. The earth today has more than 500 active volcanoes and several thousand which are either extinct or dormant, ranging in size from small mounds to the high graceful eminences of Vesuvius, Etna and Fujiyama.

In addition to still recognizable summits, volcanoes of the past have left their traces in varied forms. Crater Lake, Oregon marks the remains of an ancient volcano that apparently collapsed. The lonely rock towers that stud the deserts of Arizona and New Mexico constitute the lava plugs or necks of ancient volcanoes whose outer slopes have been eroded away. Here and there across the land stand long ridges of igneous (once-molten) rock known as dikes, the remnants of eruptive fissures in the sides of vanished volcanoes through which lava once discharged and hardened. In some instances the lava spread between layers of other rock in horizontal strata, forming an intrusive sheet or "sill"—the Hudson River Palisades are the exposed edge of a sill. Small hills and mountains also evolve from upwelling of magma (fluid rock from the deep interior) which has penetrated between layers of native rock, forming lens-shaped discs with flat floors and domed upper surfaces; such formations are known as laccoliths. Larger intrusive masses are known as batholiths; they are often composed of granitic rock and may be seen in the deeply eroded cores of most old mountain ranges.

By far the greatest proportion of the earth's mountains came into being, however, not through volcanic action, but by warping or bending of the earth's crust. In most instances this process is accompanied by fracturing of the rocks, producing breaks ranging from small offsets to great faults hundreds of miles long where extensive movement and dislocation of the strata may occur. Vertical displacements sometimes erect cliffs or "fault scarps" 50 feet high in a single grinding paroxysm, and when faulting recurs in the same place over long periods of time, huge escarpments and even entire mountain fronts may be reared. Mountains elevated by this process are known as fault-block mountains. In the Great Basin of Nevada faulting on a stupendous scale has broken the land into a chaos of gigantic blocks and basins. The Sierra Nevada of California represent a single tilted block 400 miles long and 60 miles wide. Its gentle western slope constitutes the tilted upper surface of the mass; the eastern wall, uplifted by repeated displacements over numberless centuries, is a gigantic fault scarp towering more than two miles above the desert below. Geologically speaking the Sierra peaks are young mountains, and there is evidence they are still growing.

Many of the great mountain chains of the world—the Alps, Andes, Rockies—are not simple fault-block mountains, but folded mountains, formed of rocks that have buckled as well as fractured, and fallen into ordered ridges and furrows like the corrugations of a washboard or the swells of the sea. A striking feature of folded mountains is the frequent presence on their summits of marine fossils, testifying that some of the earth's loftiest peaks arose from the floors of ancient, vanished seas. Indeed geologists believe that a necessary precondition of the construction of folded mountain chains must have been the existence of a geosyncline, a great shallow basin or trough, in which sediments were laid down eon after eon, layer after layer, thousands of feet thick. Under this great load, the earth's crust first warped downward and eventually, under huge lateral pressures, buckled, thrusting the accumulated mass of sediment deep into the earth and upward toward the sky. The enormous thickness of the sedimentary strata in the Appalachian Mountains—in some places six or seven miles thick—indicates that the great inland sea which once extended from Newfoundland to the Gulf of Mexico must have been collecting sediment and slowly sinking for nearly 300 million years before the final great upheaval that brought the Appalachians into being.

CONTINUED AFTER FOLDOUT



FORCES OF UPLIFT, originating in the earth's interior, shape the face of the land by causing the crustal rocks to fracture and fold, creating highlands, hills and mountain chains. In this painting the varieties of landforms produced by the earth's constructive processes are depicted in an imaginary terrain from which all soil and vegetation have been stripped away, laying bare the basic



the level plain in the center foreground over an intrusion of once molten rock, known as a batholith. At the right of the volcano, a small dome, or laccolite, has been formed by the intrusion of a lens-shaped mass of molten rock between two layers of sedimentary rock. In the right foreground the earth's crust has wrinkled to form a range of folded mountains similar to the Appalachians. Be-

hind them at right and in the center background are examples of tilted block mountains with steep slopes and gently sloping back slopes. A fault, or fracture, running from the foreground toward the horizon, is a divide, a zone where the crustal rocks have ruptured and been displaced. In the lower center, a coastal plain has been created by a slow emergence of the continental shelf from the sea.



UNERODED LANDSCAPE IS SHOWN HERE FOR COMPARISON WITH SCENE AT RIGHT

THE LAND: HOW MOUNTAINS ARE WORN AWAY

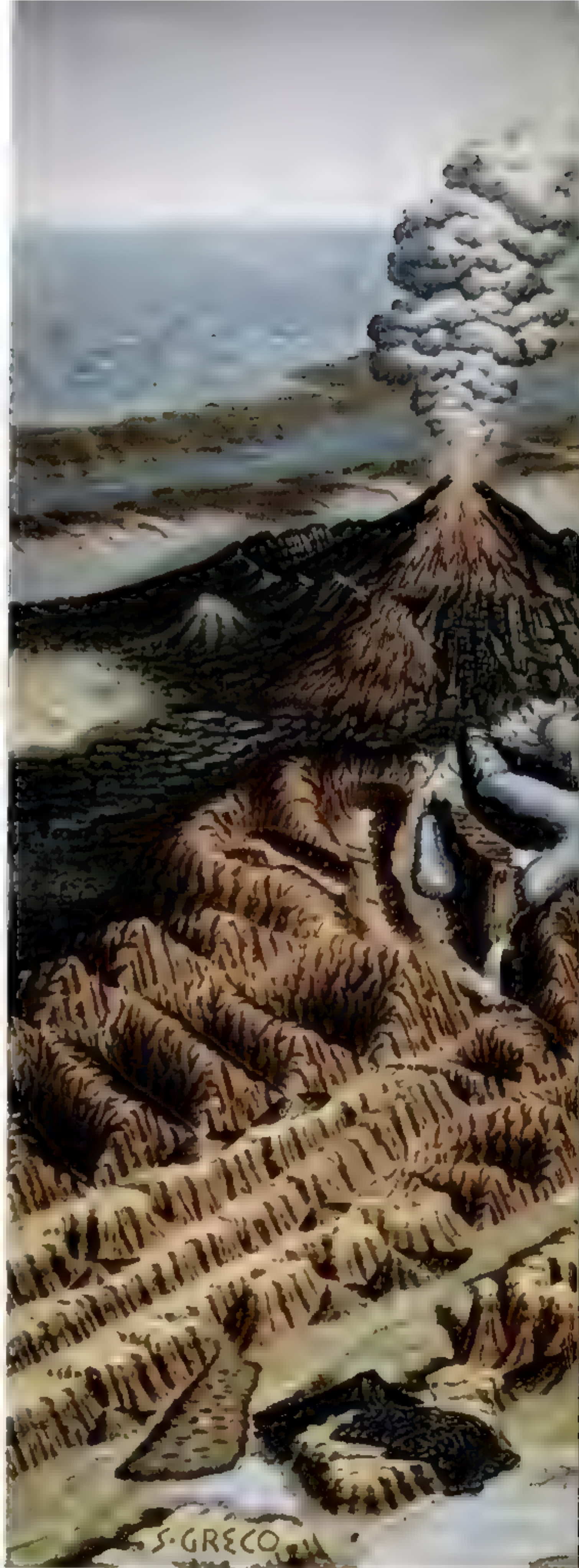
PERHAPS the strangest anomalies among the highlands of the earth are the "mountains of erosion," hewn by running water, wind and frost from once-great plateaus. Many of the mesas of the Far West are such residual mountains, hard and resistant remnants of larger but less durable land masses. The Catskills of New York are also remainders of a formerly extensive high plateau, most of which has been removed by erosion. In time, geologists believe, the great Colorado Plateau will disappear and strange rocky buttes and towers will stand on a flat plain thousands of feet below the level of the present plateau—and men will call them mountains. But these too will eventually vanish, for there is no eminence on earth that is not subject to erosion and will not ultimately be effaced. In the endless conflict of earth-shaping forces, erosion is the slow, the unwearying, the inexorable destroyer.

To the geologist the term erosion means essentially the transport of rock particles from high places to low places. A necessary prelude to erosion is weathering—the process by which the earth's bedrock is disintegrated and decomposed, and in the end converted into soil. The chief agency of weathering is the atmosphere, the invisible envelope of gas that surrounds the terrestrial sphere. Penetrating crevices wherever rock is exposed, the various ingredients of the atmosphere—oxygen, carbon dioxide, water vapor—enter into chemical combinations with various elements of the rocks, causing them to crumble and decay. Water leaches out their soluble components; acids from rotting vegetation abet the process. Chemical decomposition is often accelerated by mechanical factors, such as the prying apart of rocks by the roots of growing plants. In cold and temperate climates, however, one of the most important agencies of mechanical disintegration is frost-wedging. When water freezes it expands by about 9% of its volume. Seeping into crevices and crannies in the rock during the warmth of day and freezing at night, water exerts surprisingly great pressures capable not only of splitting open small stones but of prying great slabs from the faces of cliffs.

The results of weathering depend both on the chemical content of the rock and the climate which acts upon it. Limestone, for example, decomposes when exposed to water but stands up well in a dry climate. Many of the highest mountain peaks in arid sections of the West are composed of limestone. The shape of most land forms on earth is thus predetermined by the resistance of their underlying rock to the particular kind of weathering to which it is exposed.

As soon as fragments of rock have been loosened by weathering, the agents of erosion begin to carry them away. In this process the main energizing force is gravity. The soil cover of slopes and hillsides is continually, imperceptibly creeping downhill. Occasionally the movement may be visible as in the case of sudden landslides, rockfalls and mudflows, or the abrupt collapse of entire cliffs and embankments. Often scars may appear, as when one part of a hillside moves more rapidly than the rest and slumps away in sections. But however stable the appearance of any slope, however thickly it may be covered with a protective canopy of plants and trees, nevertheless the entire soil mantle of every slope on every continent of the earth is moving steadily downward, carrying most of its plant cover with it. One may think of the earth's soil, therefore, as a kind of viscous liquid which even on a moderate slope tends to flow under the pull of gravity.

CONTINUED ON NEXT PAGE



FORCES OF EROSION, originating in the atmosphere, continually strive to level the face of the land by stripping away its soil cover, disintegrating exposed rock, and transporting loose particles from uplands to valleys and the sea. In this painting the same landscape that appears on the previous pages is depicted after the destructive forces of rain, running water, wind, frost and ice have been at



work for innumerable years attacking the various land forms reared by the earth's internal processes. The block mountains in the left foreground are now weathered and dissected by running streams into triangular facets and V-shaped canyons; glaciers gnaw at the higher places, carving ridges and Matterhorn peaks. Behind them the dormant volcano of the first painting has come to life, while the

formerly active cone has expired and been reduced by erosion to a volcanic plug or neck of resistant lava, and a series of radiating ridges or "dikes"; its secondary crater, to the right, is now a *caldra* filled with water (like Crater Lake, Ore.) The dome in center foreground has been eroded in characteristic fashion. Its top has completely disappeared, exposing a jumbled core of older strata surrounded



architecture of the bedrock. Three principal mountain types—block mountains, volcanoes and folded mountains—are shown from left to right, as they would appear in a world free from the ravages of weather and erosion. In the left foreground, fractured and uplifted angular sections of crustal rock form a group of block mountains, from the base of which a lava flow extrudes onto the surface.

Behind them, at left, are an inactive volcano (with a cratered top and several small cinder cones marking the site of once-active fissures). Farther to the right, an active volcano, shown in cross-section, ejects smoke, ash and lava from its central cone and two subsidiary vents. Running across the picture, a cutaway section of the crust reveals the underlying strata, which are bowed upward from



THE LAND: HOW WATER WORKS ON IT

WATER is the great leveler. Every drop of rain that falls on exposed soil is an advance agent of erosion, acting as a miniature bomb and blasting a tiny crater in the ground at its point of impact. Though raindrops have been hymned by poets and blessed by men in times of drought, it is known now that raindrop erosion represents the first step in the destruction of land, scalping the crests of hills and loosening particles of soil that are subsequently carried away by streams. Over the land masses of the earth about 28½ inches of rain descend annually, varying from two inches in Death Valley to about 150 inches on the slopes of the Himalayas. Some rainfall returns to the atmosphere by evaporation, some seeps into the ground, but about 9,000 cubic miles of water run off the land into the seas each year.

On every slope the initial rills, formed by the concentration of rain-wash, converge into brooks, then into streams, then into rivers until a complex network of waterways is formed, all flowing to the sea through channels excavated by themselves. Though the work of any

watercourse may be imperceptible to man in a lifetime, over the years stream erosion is more effective as a land-leveling force than all other agencies of erosion combined. The erosive power of a stream is governed both by the amount of water it carries and the grade down which it moves. Although running water churns up and washes away soil and rock fragments, it is not this action alone that carves great valleys. For every stream carries along a load of sediment—which, by scraping against the bedrock of the stream bed, scoops out potholes, cuts away banks and enlarges the channel down which it flows. The destructive force of running water increases with the velocity of flow. Doubling the velocity of a stream may increase its abrasive power four times, and its capacity to transport rock fragments by an even greater factor. Under flood conditions certain large streams and rivers not merely double their velocity but may increase it ten- or twentyfold.

When a stream tumbles over a waterfall, enormous amounts of energy are developed. The water that roars from the brink of Niagara Falls, for example, descends into its plunge pool below at a velocity of 50 mph, as a result of which the pool is continually deepened and



by an oval pattern of highback ridge. In the right foreground the range of folded mountains has been deeply cut by running water, which has scalped the crest of the ridges and carved valleys between them. The old fault line, now largely covered by scree, is deeply notched with waterfalls and canyons. The tilted block mountains at right background bear scars made by water and ice. In the center

background a continental glacier is receding, leaving behind vestiges of its passage—small hills (drummons) and ridges (moraines). This means leaving room for lower edge at right to mark the early waters of a river which like many of the earth's rivers began its life on steeply tilted valleys and eroded into a wide river bed of a broad and gentle flood plain of its own over the top of the (foreground)



AN ALLUVIAL FAN, built of sediment washed down by the rain-swollen mountain streams, spreads out across the level floor of California's Death Valley.

ROCK SPIRES in Utah's Bryce Canyon were sculptured by rainfall and running water out of ancient limestone strata. The water worked in two ways, melting away the lime and wearing away the rock by abrasion. Differences in resistance of the strata produced the strange pillared amphitheater at the left.

widened, undercutting the cliffs above. From time to time the cap rock at the brink tumbles off, thus moving the falls gradually upstream. They have receded seven miles from the original crest at a rate of about $3\frac{1}{2}$ feet a year.

Since young streams cut almost straight downward, their first incisions take the form of V-shaped valleys, like the gorge of the Yellowstone River. But in time the steep walls of every ravine surrender to weathering and mass-wasting; little by little a river canyon widens as it deepens, so ultimately steep gorges become gentle valleys down which quiet rivers meander to the sea. The period required for such transformations is enormously long. It has been estimated, for example, that the watershed of the Mississippi River has been lowering at the average rate of one foot every seven to nine thousand years. This means that in the one million years since man first evolved on earth, an average of 150 feet of rock has been eroded from the entire surface of the Mississippi basin. The younger, swifter Colorado River has carved the Grand Canyon a mile deep, eight miles wide at the rim—in about the same period of time.



A V-SHAPED VALLEY, carved by the swift-flowing Yellowstone River, Wyo., is a perfect example of stream erosion. Slicing through layers of volcanic rock, the river took an estimated 150,000 years to reach its present depth of 70 to 1,200 ft.



WIND-ERODED ROCK near Moab, Utah records the cutting power of moving air. Abrading a sandstone butte weakened by water seepage, the wind has blasted it away, grain by grain, gouging holes and tunneling through to the other side.

THE LAND: THE WORK OF WIND

WATER, however, is not the only leveling force which operates in nature. In the arid regions of the earth wind is a conspicuous and constant agent of erosion. Wherever the soil mantle is dry and vegetation scarce, as in desert regions, the wind may completely strip the ground of all loose material, exposing the bedrock below. Contrary to popular conception, most of the earth's deserts consist less of sand than of rock, scoured bare by wind and weathering. In some sections of Death Valley, Calif. the dry, relentless wind has blown away virtually all sand, leaving a floor of small stones tightly fitted together into a "desert pavement."

In transporting loose particles of weathered rock the wind becomes in effect a sand-blasting machine. Just as the erosive action of streams is augmented by their moving load of sediment, so the erosive action of the wind is intensified by the load of sand particles it transports. A strong, debris-laden wind blowing steadily against vertical rock faces will eventually undercut cliffs and sculpture balanced rocks, pedestal rocks, mushroom rocks and other weird residual forms. In some areas of the world, notably the American Far West and North Africa, wind scour has scooped out large depressions many square miles in area and several hundred feet deep. Violent sandstorms have been known to cut down wooden telegraph poles and destroy the transparency of windowpanes in a single savage blast.

CONTINUED ON NEXT PAGE



WIND-ERODED SOIL produces strange plant forms in Death Valley, Calif. The wind swept desert soil away from the roots of these "arrow weeds," leaving them atop dry hummocks with thirsty tendrils clawing downward to the vanishing soil.

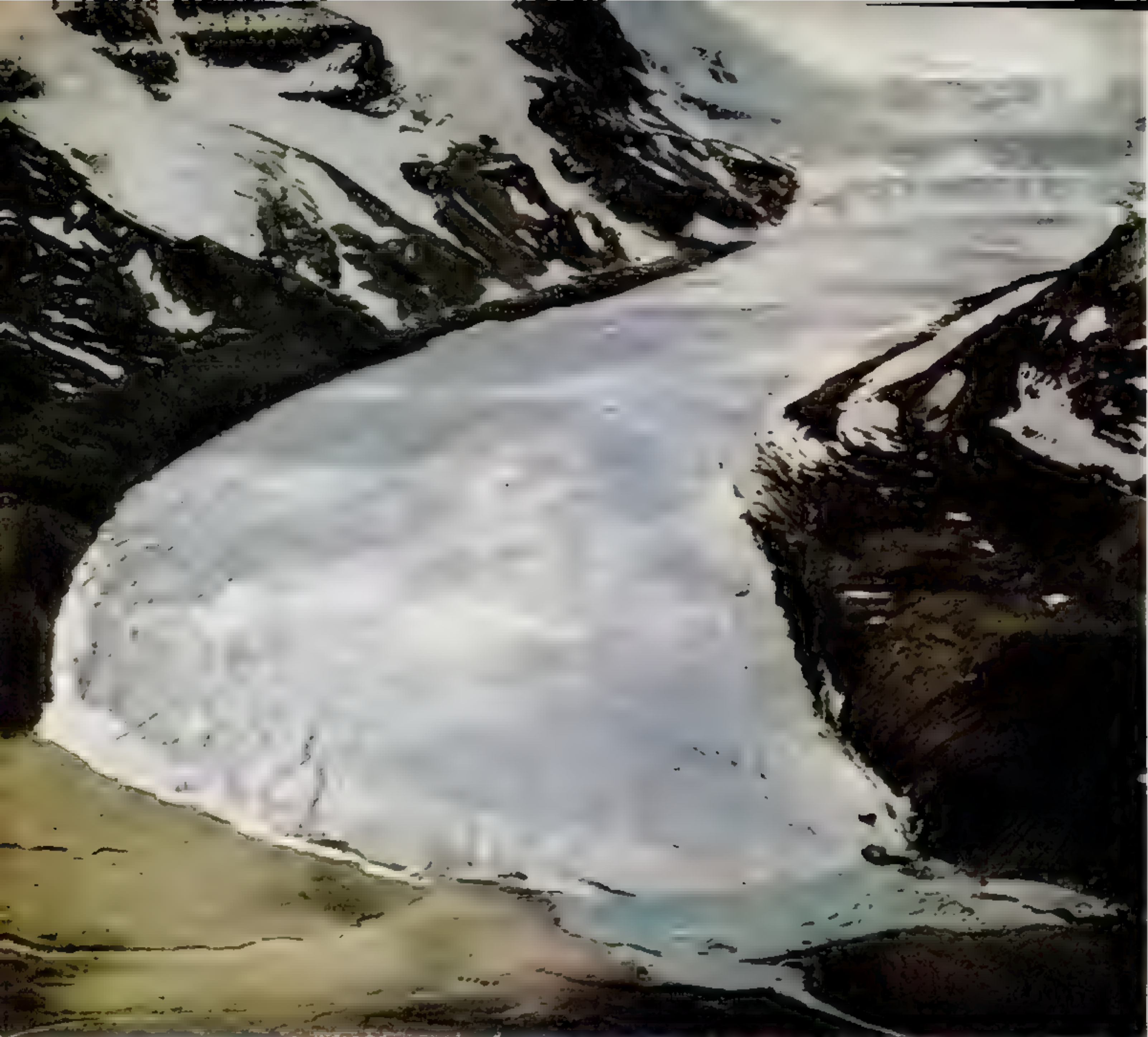


SAND DUNES in Death Valley are molded and etched with ripple marks by the dry wind. The source of the sand is the granitic rock of the Cottonwood Mountains that border the valley. Weathered, then washed down the mountainsides by



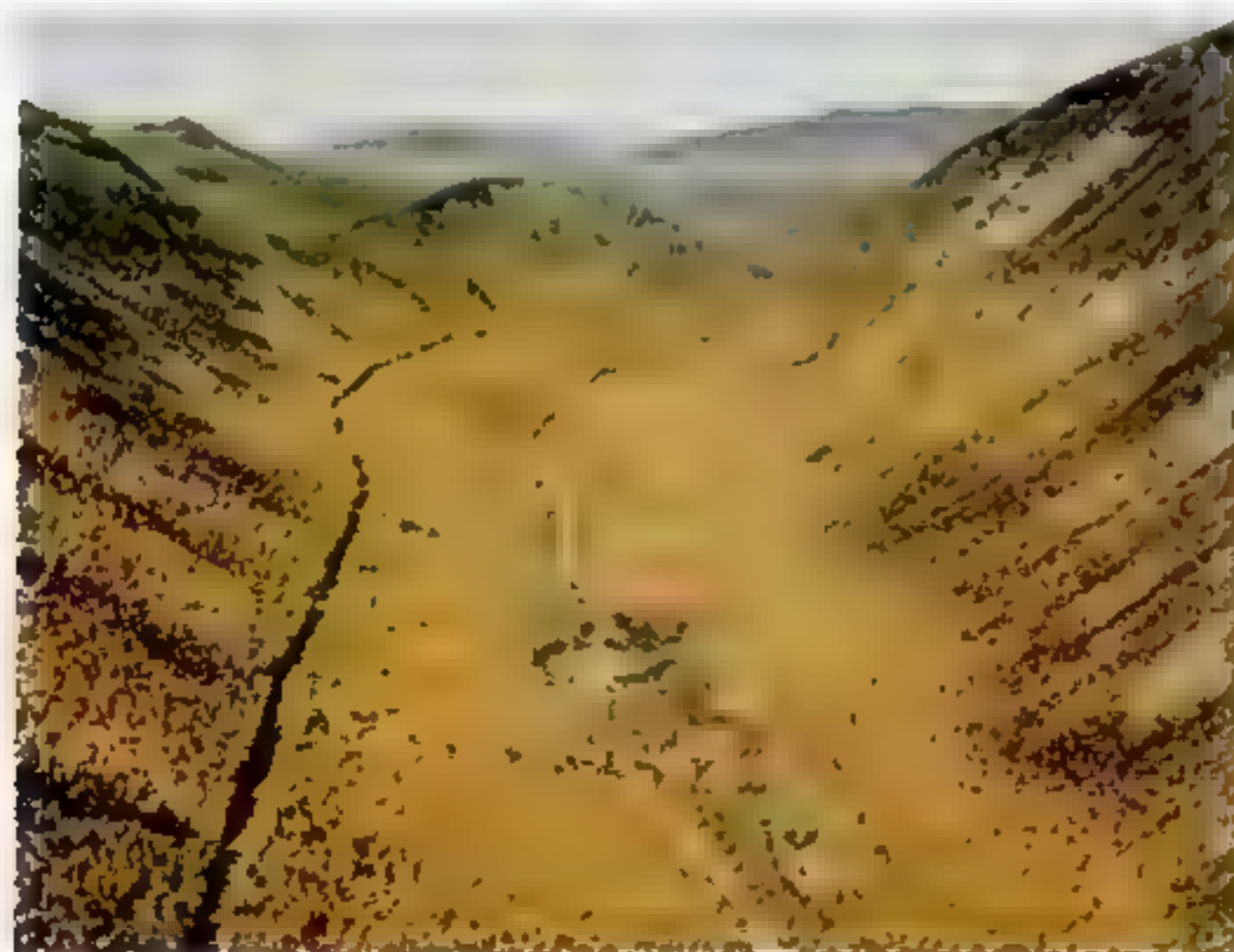
rain and running streams, rock fragments, soil and other debris collect in an alluvial fan at the foot of the mountains (left). The sediment, dried by the hot sun, is then blown by the wind across the valley floor in constantly shifting dunes.

In this picture the wind blows from left to right, transporting the sand up the gentle windward slope of each dune and dropping it on the steeper lee side. The dunes are constantly replenished from the store of the regenerating alluvial fan.



A VALLEY GLACIER, seen in its largest in the great Columbia ice field of the Canadian Rockies, creeps down the flanks of Mt. Athabaska, cutting its own channel, grinding and polishing the rocks over which it moves. The glacier transports

quantities of frozen rock which it deposits in lateral moraines—ridge-like formations on either side—and in a terminal moraine at the bottom (left, foreground). The meltwater streams at its foot form the source of the Athabaska River.



A U-SHAPED VALLEY in Crawford Notch, N.H., exhibits the planed wall and rounded floor characteristic of valleys that have been converted from their original V-shape by glacial action. The thin white strips are a railroad and a highway.

THE LAND: THE WORK OF ICE

OF all the forces of erosion that attack the earth's high places, the most powerful, though limited in area, are glaciers. Through their enormous mass, glaciers radically revise the shape of entire mountain ranges. Glaciers exist wherever there is perpetual snow, for they are formed initially of snow, piled up, compressed and compacted into glittering tongues of ice. When a snowfield high on a mountain slope reaches a depth of about 100 feet, it begins to creep downward under its own weight. Although ice is a crystalline solid, it nevertheless has the property of flowing as a plastic substance.

As the glacier creeps away from its sheltering mountain wall where the snowfield first accumulated, a crevasse opens behind it, filling with fresh snow during the winter and melting with the spring thaws. With each advance of the glacier the ice that has frozen to the mountain wall tears away huge segments of rock. By annual repetitions of this quarrying process, the glacier eventually carves out a "corrie" or amphitheater at its head, some so deeply excavated that their floors eventually become, with changing climates, the basins of lakes. Several corries often surround a single mountain peak, giving it the wild jagged aspect of the Matterhorn or the Teton Range of Wyoming.

The erosive action of a moving glacier has been said to combine



A GLACIATED LANDSCAPE in the Canadian Rockies bears many of the scars impressed by moving ice in ages past. All the mountains have been hewn by ice and frost into sharp and craggy configurations. In the center of the picture are

two small step lakes or tarns, scooped out and filled with melt water by a vanished glacier. Lake Louise, at left, is a larger lake, also a typical vestige of glaciation. The crumbled rock in the foreground has been shattered by frost action.

that of a plow, a file and a sled. Creeping down a valley it plows up the soil, pushing it ahead and to either side. Meanwhile from exposed ledges above, rock fragments shattered by frost tumble down the valley walls onto the glacier's broad back. Eventually this debris becomes an integral part of the glacial mass. As the great river of ice flows downhill, it grinds the rock debris frozen within across the valley floor, cutting, scraping, filing and polishing. At the same time its rough, unyielding flanks grate against projecting crags and spurs and gradually wear them away. In the end all glaciated valleys acquire a characteristic profile. Where valleys cut by young streams are V-shaped, glacial action converts the V to a U by planing sides and floor, so that eventually the valley is a rounded trough with wide smooth walls.

The sculpture of alpine or valley glaciers is dwarfed, however, by the work of the great ice sheets that covered more than one quarter of the land areas of the planet. Spread over millions of square miles, thousands of feet thick, these stupendous ice masses overlay mountains and valleys alike, and during successive advances and retreats transformed the face of the land on a colossal scale. The mountains of New York and New England—the Adirondacks, the Green Mountains, the White Mountains—and the highlands of Scotland and Ireland were completely enveloped in ice. Crushed beneath this enormous weight, they emerged with none of the intricate scars wrought

by valley glaciers, no knife-edged ridges, pyramidal peaks or cirques, but rather with smooth summits and rounded ridges. The action of the great ice sheets was not one of sculpture, but of crude abrasion, a beveling of whole mountain masses. In addition to remodeling the highlands the ice sheets created lakes and rivers by the thousands in North America, Europe and northern Asia. They expanded and deepened the rock basins of the Great Lakes and filled them with melt water, and diverted the Ohio and Missouri Rivers to their present channels.

When glaciers melt away, they leave deposits behind—rough ridges of boulders, sand and silt called moraines, and small hills, shaped like the inverted bowls of spoons, called drumlins. Many elevations in Wisconsin and Michigan and all the high ground of Martha's Vineyard and Nantucket are moraines that marked the terminal of a continental ice sheet. Bunker Hill, outside Boston, is a drumlin.

Nor has the influence of the prehistoric ice sheets on man's environment yet ceased, for their vestiges remain today in the shrinking icecaps that overlie Greenland and Antarctica. The five million cubic miles of ice stored in the polar caps are slowly melting, surrendering their locked-up waters to the rising seas. If the process continues, many of the low-lying continental areas of the earth will be inundated, as they have been recurrently at other times in the past.

THE LAND: HISTORY OF A REGION

NEW YORK CITY, for example, built precariously on a block of ancient rock a few feet above the present level of the Atlantic Ocean, may in time be submerged by the high waters of the ice-fed sea. Yet this event, however catastrophic to men, will be simply another link—and not even a new one—in the endless chain of geologic history. For in the region where New York now stands, an inland sea long ago lapped about an island chain of active volcanoes—a

festoon of giant cratered cones like those of the present East and West Indies. Then for millions of years debris stripped from the volcanic slopes by weathering and the incision of running streams poured into the sea, filling its shallow basin, transforming it first into a swamp, then a low plain beneath which the sediments of the ancient sea floor compressed into level strata of sedimentary rock. In time crustal pressures, bearing in from east and west, folded and uplifted these new-formed layers into a chain of mountains: the original Appalachians. All across the region the restless earth continued to stir; it cracked



THE NEW YORK AREA, 300 million years ago, was occupied by a chain of volcanic islands with ocean to the east, a shallow inland sea to the west. Debris washing

down the volcanic slopes filled in the sea basin and caused its floor to sag under the weight of numberless layers of sediment, shown in cross section, foreground

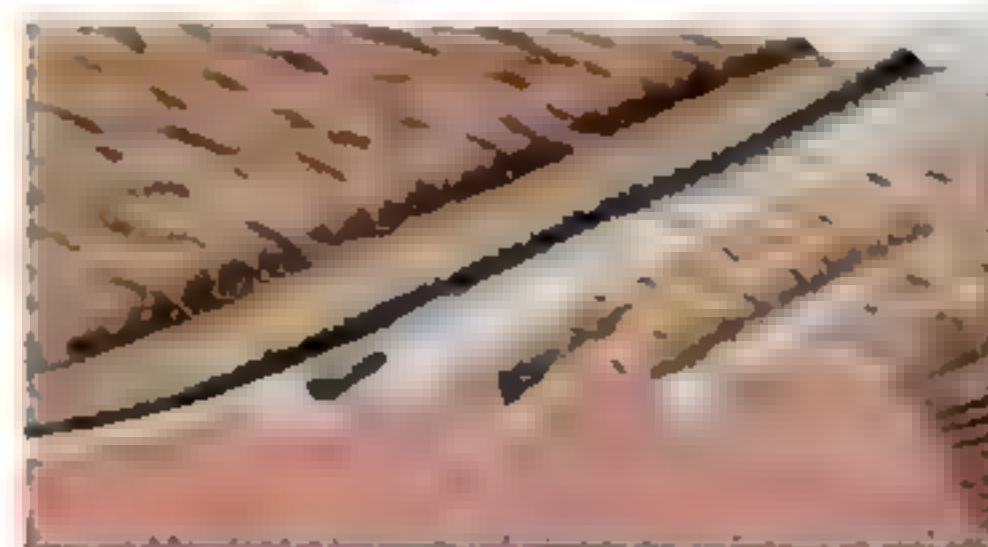


UPHEAVAL of the crust 200 million years ago forced the sedimentary beds laid down in the ancient sea to buckle and fall into folds,

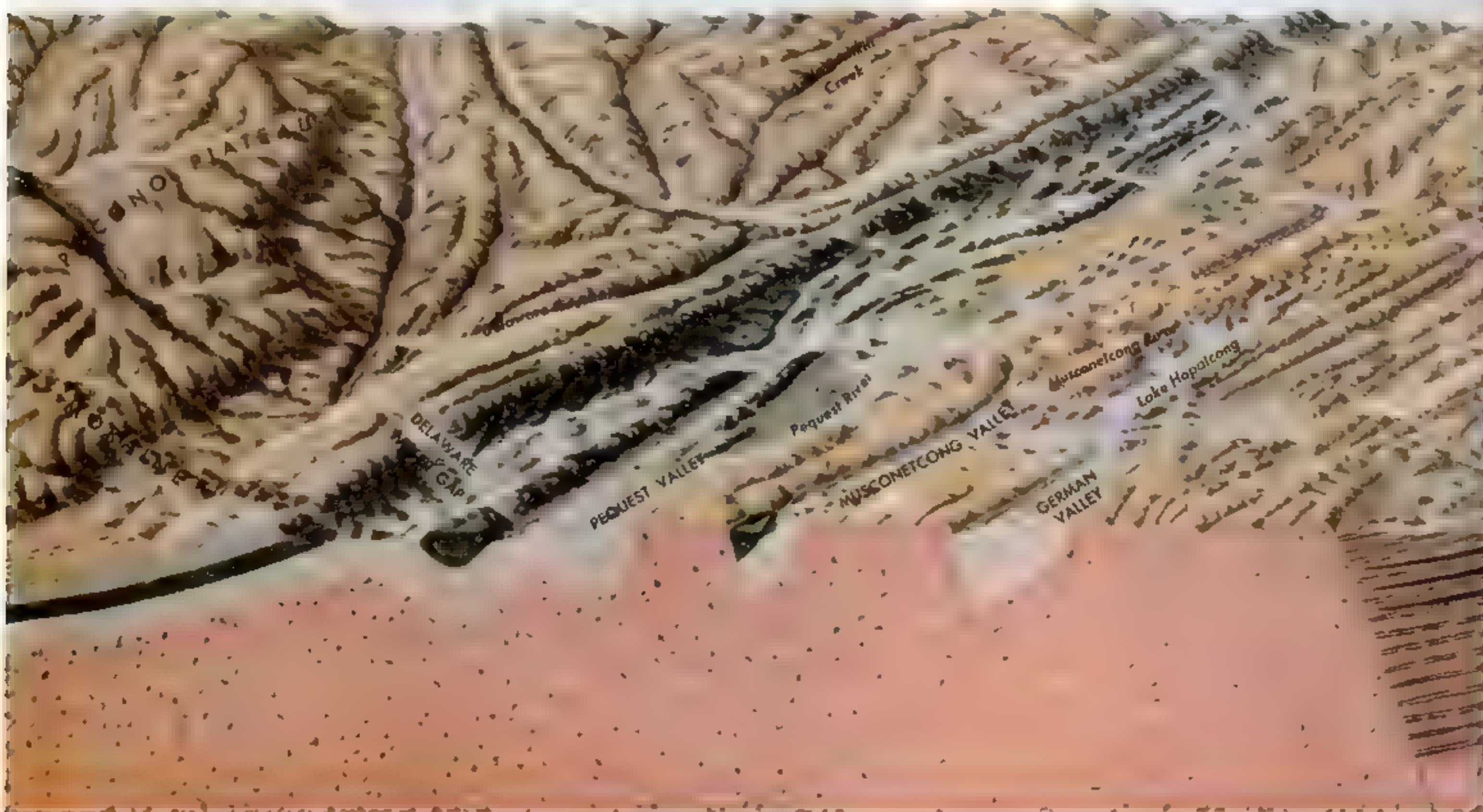


AN EPOCH OF EROSION lasting 140 million years reduced the area to a virtually featureless plain. With crustal forces inactive, running streams washed the

original Appalachians into the sea, leaving only their underlying folds as evidence of once-splendid peaks. A few slow streams wandered across the level land.



A NEW UPLIFT about 10 million years ago elevated the plain into a highland. At once streams began to flow faster, attacking softer



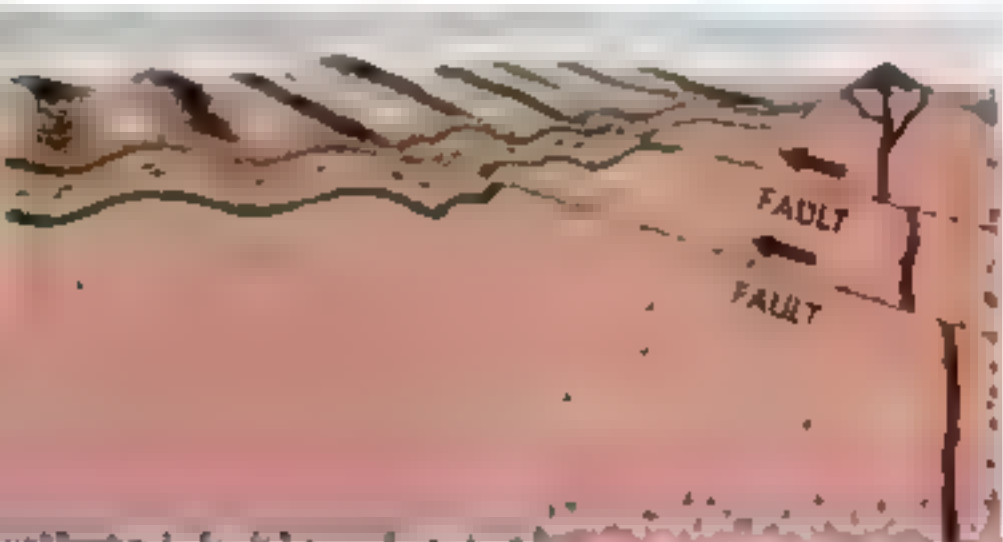
THE CONTEMPORARY SCENE of the New York area, whose topographic features are emphasized here by slight vertical exaggeration, is the product of 300 million years of mountain building, erosion and glacial sculpture. The Kittatinny

Mountain at left is the stream-cut remnant of a long ridge of weather-resistant rock raised during the period of erosion shown in the center picture above. The three valleys to its right, floored with truncated segments of the sedimentary

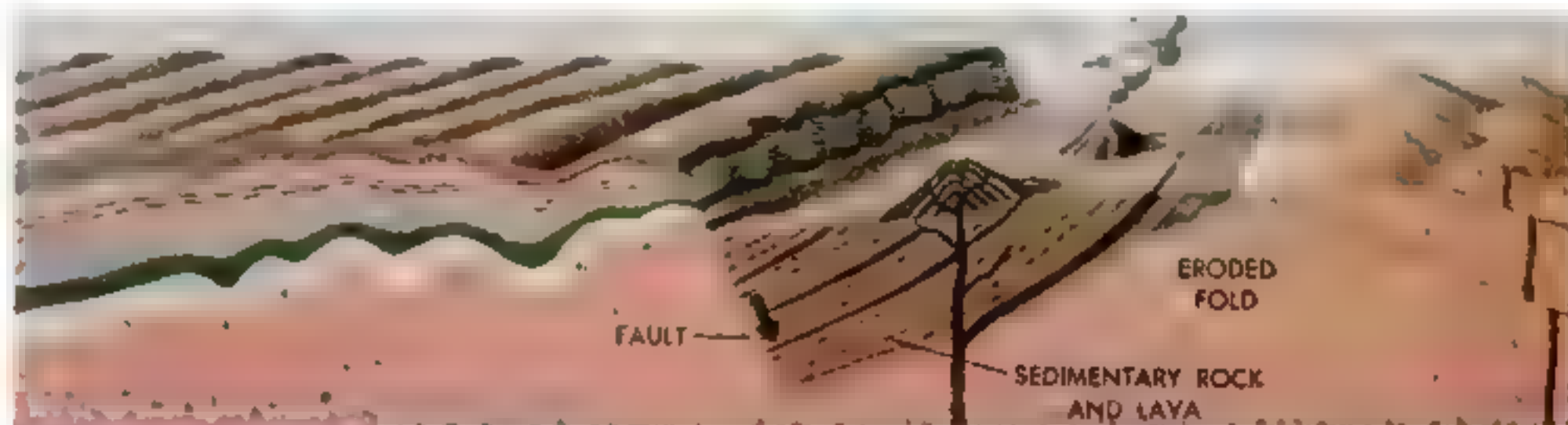
and shifted, breaking the regular contours of the folded hills and creating new basins and uplands. New volcanoes burst up through points of weakness and molten magma penetrated the surface rocks. Then came a hundred million years of quiet during which the crust lay still and the forces of erosion scoured the face of the land, wearing it down to a flat and undifferentiated plain.

But in time another period of uplift began. Slowly the land warped upward. Its sluggish streams were rejuvenated; new valleys were incised; new hills took form—the present Berkshires, Ramapos and

Alleghenies. Finally, a few tens of thousands of years ago, the crushing mass of the continental ice sheet crept down from the north to impress on the area the last of the great alterations that produced the current landscape, smoothing the hilltops, deepening the valleys, striating the bedrock and leaving in its eventual retreat the low mounds and ridges of its terminal moraines. Today erosion is again reducing the highlands to the level of the coastal plain. Yet no one can predict that another uplift will not occur in some future age. For no feature of the land is abiding, no state of nature permanent.



creating the primeval Appalachian Mountains. In the east faults appeared and sections of the land were displaced over long distances.



HUGE FAULTS appeared about 170 million years ago and sections of land settled, forming basins which at once began to fill with sediments from the uplands.

Lava from volcanoes intruded between the sedimentary layers. Meanwhile forces of erosion carved some of the original highlands into residual mountain forms (right).

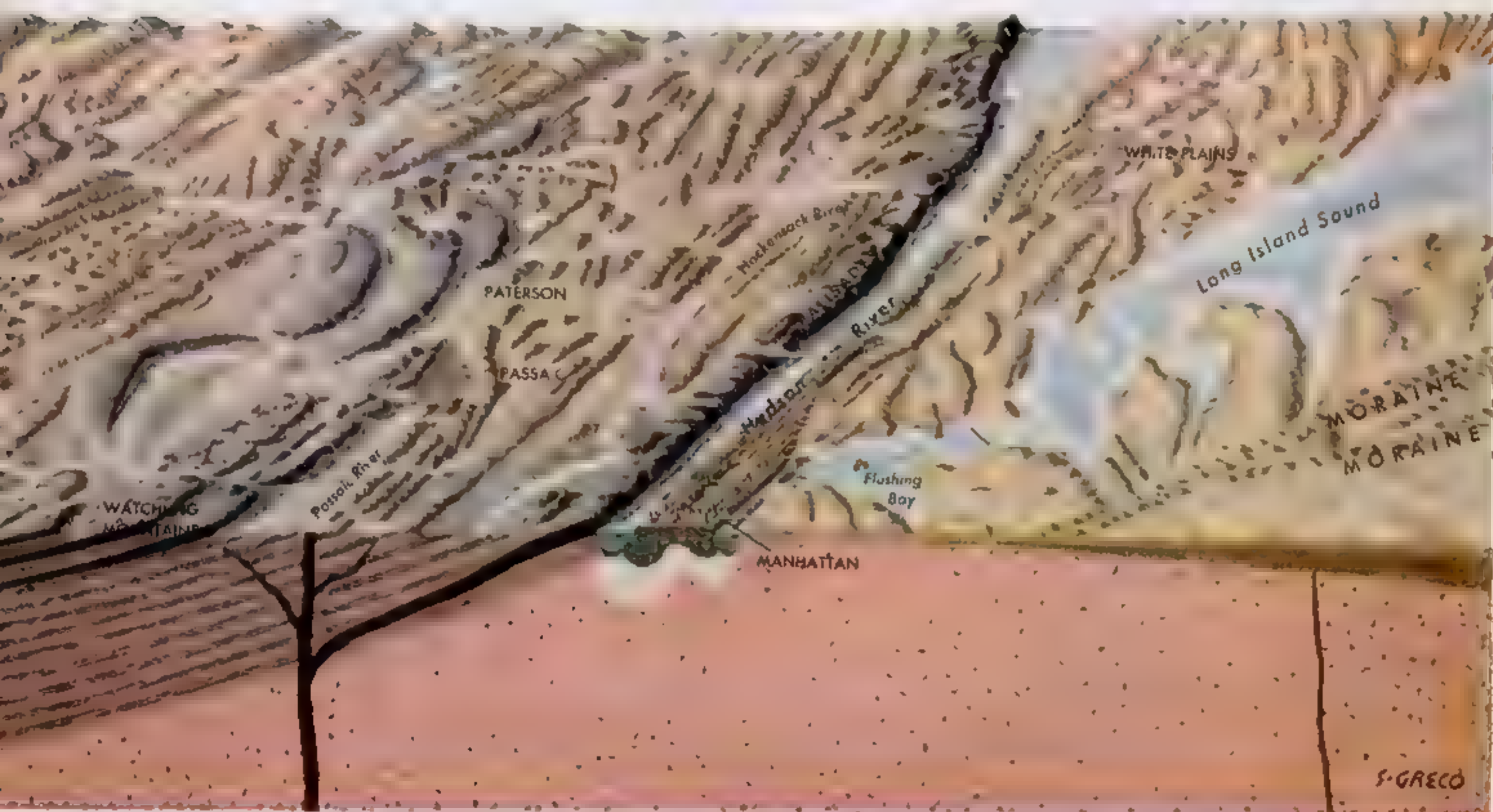


rock, creating a new pattern of ridges and valleys. In the east (right) a new-born stream began to excavate the Hudson River valley.



THE ICE AGE applied the finishing touches to the landscape. At intervals for a million years glaciers crept out of the north, crushing and abrading the contours of the

land. When the last one receded some 20,000 years ago, it left behind new land forms, among them the outwash plain at right which became part of Long Island.



folds produced by warping 200 million years ago (top, center), were carved when rivers cut down into the soft strata. The Watchung Mountains and the Palisades along the Hudson River are the exposed edges of great sheetlike layers of igneous

rock which spread out as magma from volcanic stems 170 million years ago (upper right). The low ridges rising 100-150 feet above the Long Island flatlands are the terminal moraines left behind by the melting continental glacier.

THE LAND: TIME AND CHANGE

KNOWING the processes by which mountains and valleys are constructed and destroyed, geologists find it possible to recapitulate the evolution of every land form on earth and guess its probable future. And so they speak of the earth's varied features in living terms as "young," "mature" or "old." In the long perspective of geologic history the eastern half of the U.S. is old and worn down; the West is a young, changing area.

In the East the destructive forces predominate over those of construction. The last major crustal upheavals which produced the Appalachians, the Adirondacks, and the Laurentian Mountains of Canada took place 200 to 250 million years ago. Today New England is a region of low promontories and rounded ridges, planed and scoured by millenniums of rain, ice and frost. The antique valleys of New England and the Middle Atlantic states, unlike the deep canyons and rugged V-shaped gorges of the West, are broad and gentle, possessed now not by swift, rushing streams but by slow, serpentine rivers. In many places its lowlands are carpeted with a thick cover of rich, arable soil which, geologically speaking, is a characteristic of old age. For it is only on the benign slopes of ancient landscapes, mellowed with age and protected by vegetation from the destructive pull of gravity, that soil can resist the forces of erosion and accumulate in a fertile mantle year after year, century after century.

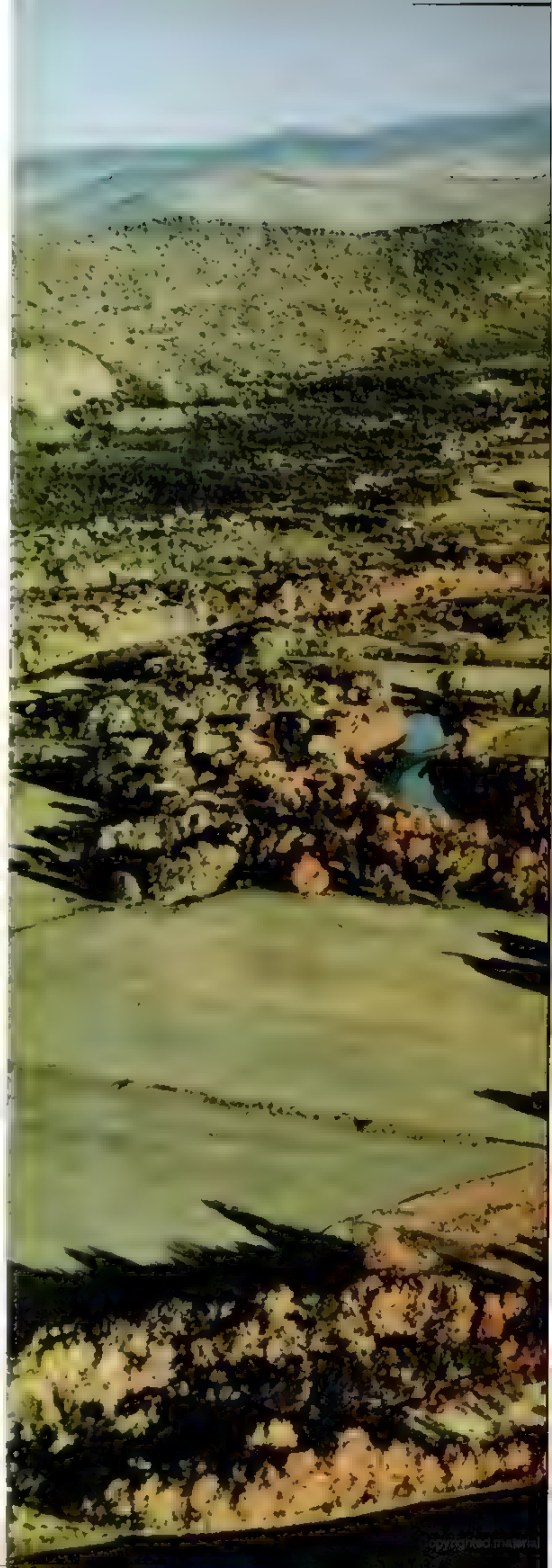
In the West, where the forces of erosion work no less relentlessly, the earth's internal forces are far more active than in the East. Vast areas of the Western states are strewn with lava, cinders, ash and other debris of recent volcanic activity. The Columbia Plateau in the Northwest is one of the earth's greatest volcanic constructions, an immense lava field covering an area of more than 200,000 square miles and in places a mile thick, built by stupendous outpourings of molten lava. Lassen Peak, in California, is a dormant volcano that may erupt again at any time. Virtually all the mountains of the Far West are high and young, with barren rock and little soil cover; their pinnacles and spurs stand towering and jagged, not yet softened and rounded by the touch of wind and rain.

In particular, the West appears to be a region of great crustal uneasiness. Displacements recur frequently along great fault lines, producing earthquakes and upheaval of the surface rocks. Not long ago scientists of the U.S. Coast and Geodetic Survey discovered that linear strains have been building up along the huge San Andreas Fault ever since the San Francisco earthquake of 1906. Horizontal movements have been especially obvious; at the present time the earth mass along the west side of the fault is moving in a northwesterly direction at the rate of two inches a year. Hence they believe that the great rift will slip again some day, producing another earthquake perhaps as great as that of half a century ago. A new instrument designed to measure long-term strains in the earth's crust is now being tested by seismologists, who hope it may eventually make possible the prediction of future quakes. Elsewhere other slippages along other faults have produced great earthquakes in California at frequent intervals for many years past. One of the most recent was the Kern County earthquake of 1952, which was nearly as vehement as the historic San Francisco quake though less disastrous in its results.

And subtler crustal movements—broad regional uplifts, depressions and warpings—are imperceptibly altering the shape of the land. The Baldwin Hills area of the Los Angeles plain has been arched upward at the rate of three feet per century. The Buena Vista oil field in the San Joaquin Valley is rising at the rate of four feet per century. Trivial as these uplifts may seem, in a relatively brief interval of geologic time they could change the profile of California. If they continue for 25,000 years (discounting erosion), the Alamosa Plain will be a tableland 300 feet above the sea and the Buena Vista Hills will have grown 1,000 feet. If they continue for 200,000 years—only one fifth of the span of man's existence on earth—the Buena Vista Hills will be as high as the Cascades. If they continue for two million years—a not excessive interval, when one recalls that the uplifting of the Himalayas, the Alps and the Rockies required at least that much time—the California highlands will attain the height of Mt. Everest.

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AN "OLD" LANDSCAPE stretches along New Hampshire's Saco River. The upheaval that produced Mt. Washington (in distance) occurred 280 million years ago. From then on wind, ice and water worked to soften the profile of the land.





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A NOTE OF ACKNOWLEDGMENT

LIFE is indebted to the following scientists for special assistance in the preparation of "The Face of the Land": Dr. William Rubey, James Gilluly, Charles B. Hunt, Philip B. King, Herbert B. Nichols of the U.S. Geological Survey. Dr. Leason H. Adams of Carnegie Institution of Washington. Drs. Arthur M. Strahler and Armin K. Lobeck, Columbia University. Dr. Carl O. Dunbar, Yale University. Drs. A. O. Woodford and John S. Shelton, Pomona College. Dr. H. A. Marmer, U.S. Coast and Geodetic Survey. Dr. Henry R. Aldrich and Agnes Creagh, Geological Society of America. The National Park Service and the American Geographical Society.

THE LAND CONTINUED

Thus everywhere on the planet there are signs that the earth's crust is not altogether stable. Surveys made by the U.S. Coast and Geodetic Survey over the last 20 years have shown that along the 1,000-mile stretch from Massachusetts to Florida the coast is being submerged at a rate of about .02 feet per year. There is reason to believe that this change in the relationship between land and sea is due not only to a rise in sea level but also to basic movements of the continental block. All around the world the uplift of mountains and plateaus is offset by the slow downward warping of shorelines and inland basins. The entire country of France, for example, appears to be tilting slowly northward, rising in the south, sinking along the Channel coast. If this movement continues, the waters of the Atlantic will ultimately inundate great areas of France from the Belgian border to Brest. Yet at the same time the Baltic coast of Sweden is rising at the rate of one-half centimeter per year. If this rate of uplift were maintained for 10,000 years it would tilt all the water out of the Baltic Sea and turn its shallow floor into dry land—as it used to be.

Although the active movements of the earth's crust are localized—upheavals occurring now in one place, now in another—the antipathetic processes of erosion are continuous and worldwide. Given time every land mass on the face of the earth would be destroyed and reduced to sea level by the chisels of rain and the wedges of frost, the abrasive breath of the wind and the massive tread of glaciers. If unopposed these forces would have swept all the land into the sea eons ago. But the restlessness and disquietude of the earth's crust proclaims that the internal forces responsible for the re-creation and rehabilitation of the land are as active today as ever they were in the geologic past. Present rates of crustal movement, if long continued, are sufficient to produce mountains as great as any that now stand on earth. So new uplands will arise, new plateaus will be warped toward the sky. And each uplift will create new rushing torrents to begin the work of obliterating the land.

It is only recently that scientists came to understand the antipathy of these natural forces of construction and destruction, and thus perceived that nothing on earth is eternal—no mountain or river, no continent or sea. Yet the flux of nature has been visible to some poets and philosophers of ages past. Two thousand five hundred years ago the Greek philosopher Heraclitus said, "There is nothing permanent in the world except change."

NEXT: THE EARTH'S ATMOSPHERE

The fourth article on "The World We Live In" will concern the atmosphere—the cloak of gases which shields our planet from the fierce extremes of outer space and nurtures all of the earth's rich and varied life. Paintings in full color will present the newest concepts of the atmosphere's origins, anatomy and movements. Photographs, some of them photographic "firsts," will describe the visible aspects of the atmosphere: its clouds and storms, its flaming sunsets and flickering auroras.

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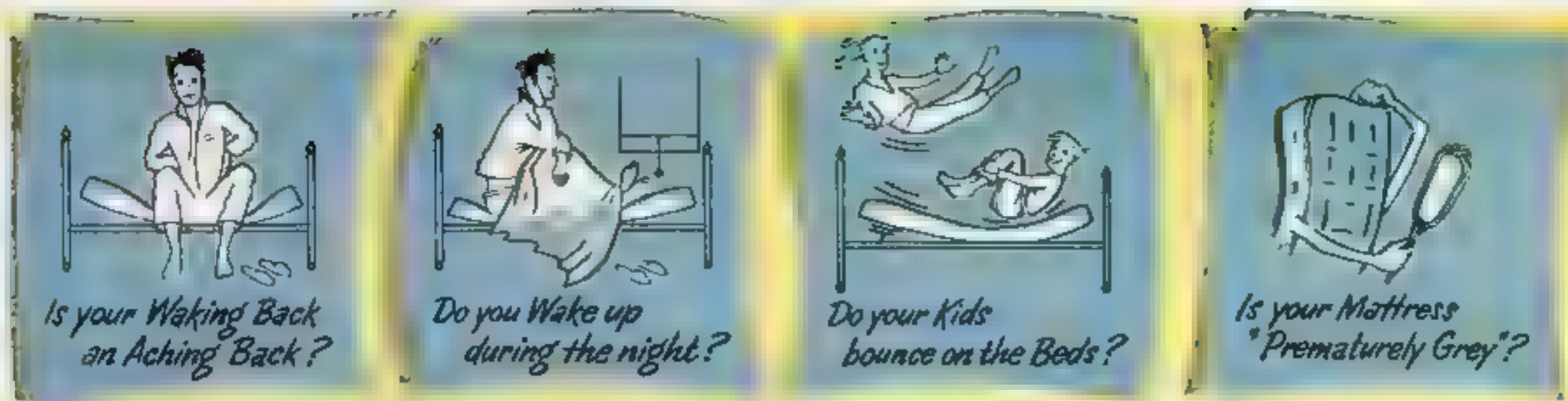
FACTORIES GET STYLE

What to wear to work is not a matter of much choice to the 15 million women in U.S. factories. Many work near moving machinery or poisonous dusts and acids, and must wear coveralls—made for safety and comfort but seldom for style. Now Designer Tina Leser, who usually concerns herself with how to look elegant at expensive resorts, has taken up the problem of how to look snappy at a workbench.

In a group of clothes called Fashions for Industry released in stores this week, Mrs.

Leser presents her solutions. The standard, safe—but usually shapeless—factory overall appears in practical but neat, attractive and attractive versions, although few factory workers who wear them will look as sleek and stylish as the models in this picture. Some designs have pant legs narrowed so they can be pushed up and buttoned under a skirt or the way to work. To go with her work clothes, Mrs. Leser suggests instead of the standard tin lunchbox a stylish imported straw basket.

CONTINUED ON PAGE 113



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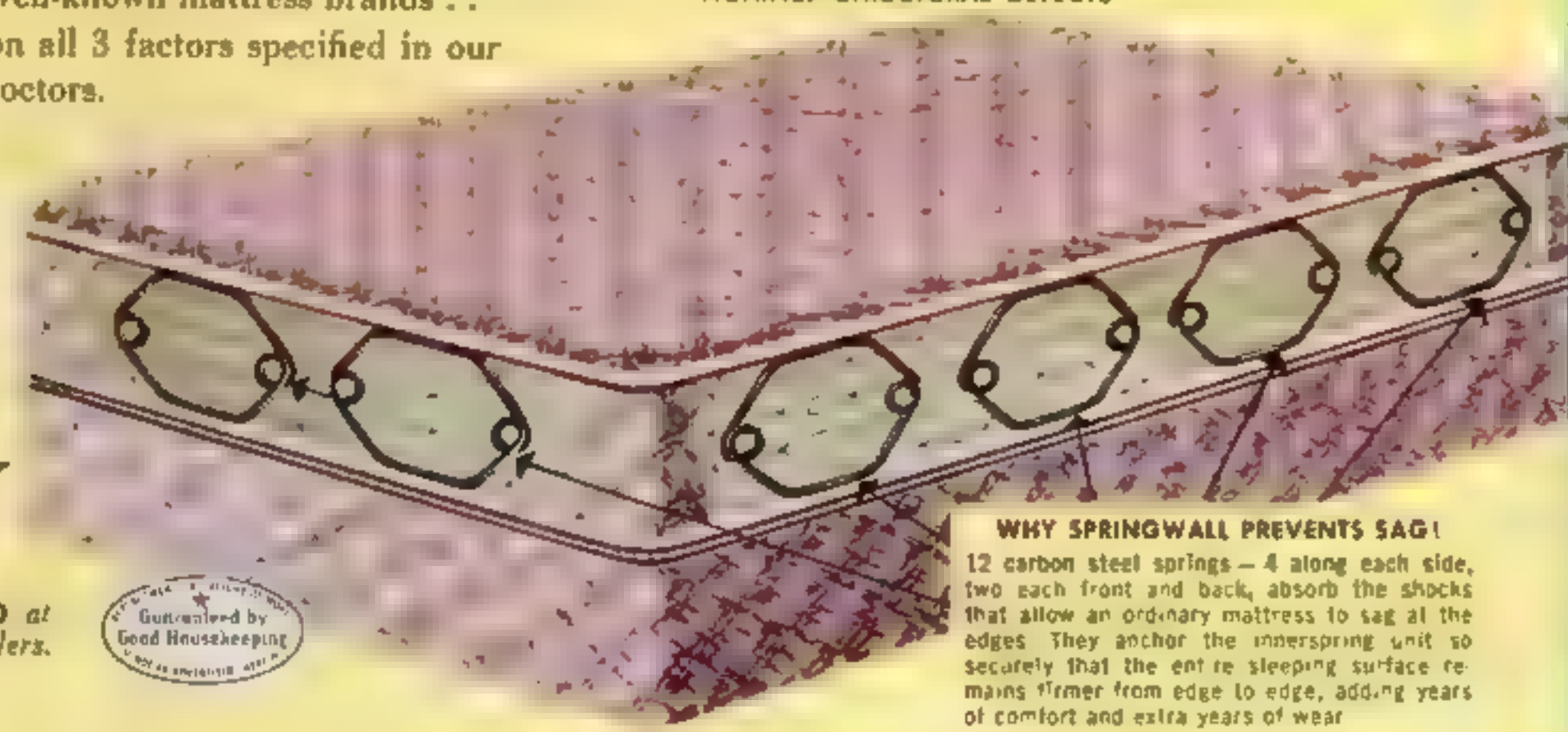
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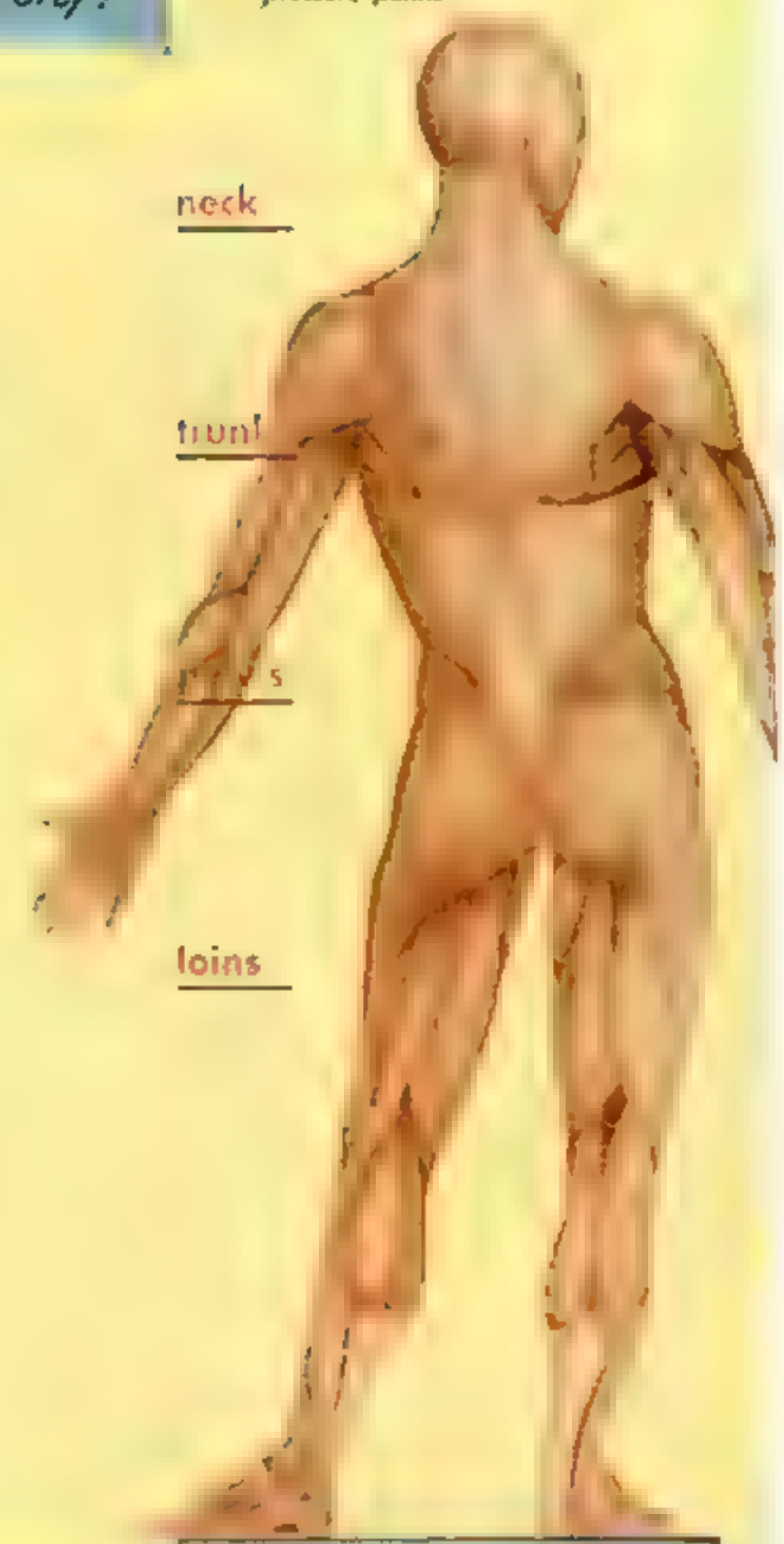
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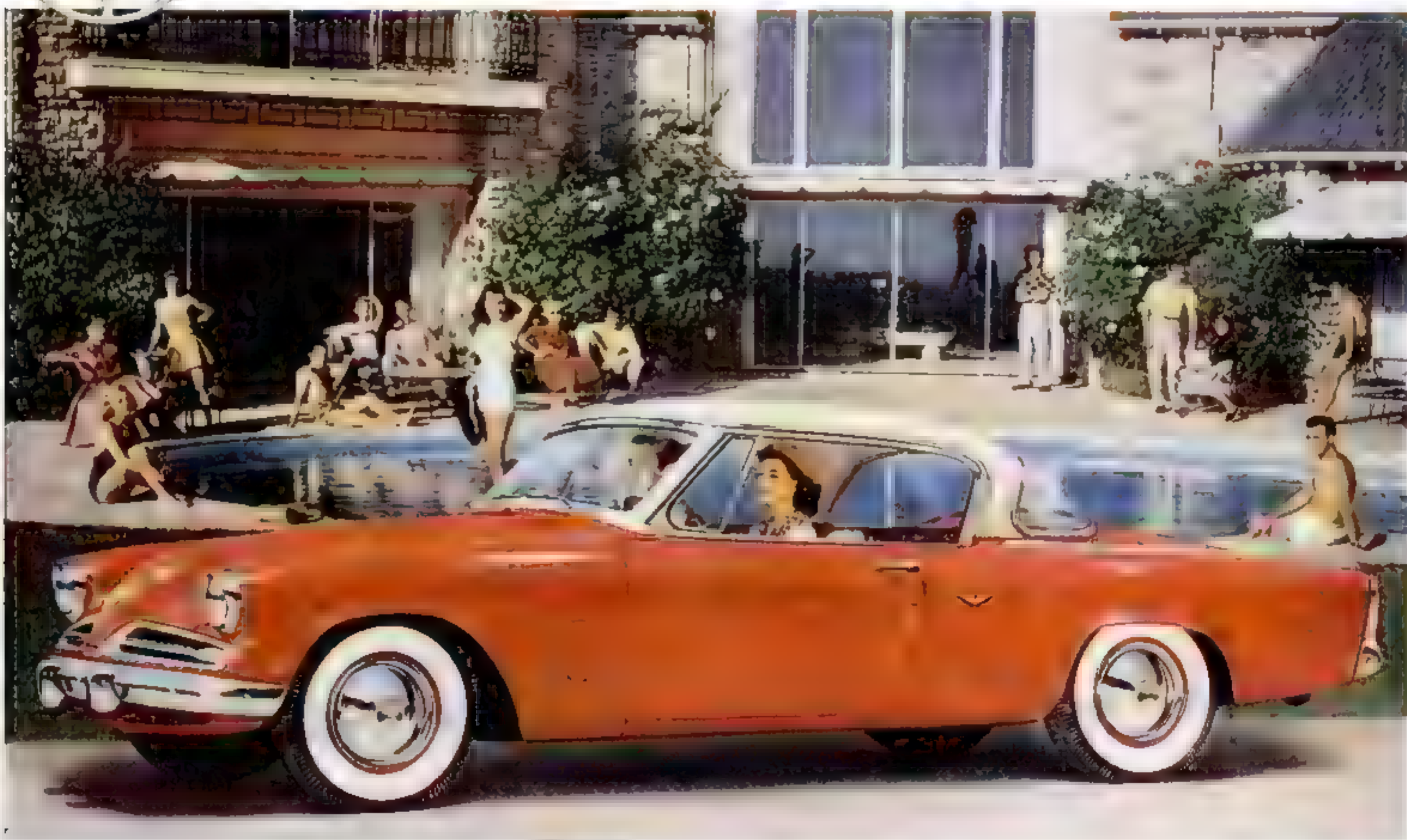


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An entirely new idea in power steering...developed by Borg-Warner to fit the precision requirements of Studebaker.

Here is finger-touch steering that retains the firm, "live" feel of the wheel. New B-W Power Steering is unlike all others. *Fully mechanical*, it is operated by the engine directly instead of through a pump. It has far fewer parts—for new simplicity, new effectiveness.

In tight turns, traffic maneuvers, or straight cruising, B-W Power Steering obeys your hand instantly. No lag, no loose "oversteering." And you park almost without effort... slip into spaces others pass by. *One finger* can swing the wheels even when you're standing still!

B-W Power Steering makes all driving *safer*. Resistance to lurches often caused by road bumps and holes is a characteristic of B-W Power Steering.

In addition to the newest in power steering, Studebaker for '53 offers a choice of 3 famous B-W transmissions: Studebaker Automatic, Overdrive, Standard.

All reflect the Borg-Warner skills that have served the auto industry from the beginning. Today, 19 of the 20 makes of cars contain such B-W parts as transmissions, clutches, universal joints, propeller shafts, radiators, and timing chains.



Finger-tip parking ease is yours with B-W Power Steering. No wrestling the wheels. The fatiguing work is taken over to let you park expertly and quickly in the tightest spots.



Effortless control... new safety! B-W Power Steering does almost all of the work of guiding your car. You feel a new sense of command, for B-W Power Steering resists any turning not dictated by you.

**ALMOST EVERY AMERICAN BENEFITS
EVERY DAY FROM THE 185 PRODUCTS MADE BY**

BORG-WARNER

These units form BORG-WARNER, Executive Offices, 310 S. Michigan Ave., Chicago: ATKINS SAW • BORG & BECK • BORG-WARNER INTERNATIONAL • BORG-WARNER SERVICE PARTS • CALUMET STEEL • CLEVELAND COMMUTATOR • DETROIT GEAR • FRANKLIN STEEL • INGERSOLL PRODUCTS • INGERSOLL STEEL • LONG MANUFACTURING • LONG MANUFACTURING CO., LTD. • MARBON • MARVEL-SCHIEBLER PRODUCTS • MECHANICS UNIVERSAL JOINT • MORSE CHAIN • MORSE CHAIN, LTD. • NORGE • NORGE-HEAT • PESCO PRODUCTS • REFLECTAL CORP. • ROCKFORD CLUTCH • SPRING DIVISION • WARNER AUTOMOTIVE PARTS • WARNER GEAR • WARNER GEAR CO., LTD. • WOOSTER DIVISION



PUSHED-UP PANTS coverall shown at Fairchild Aircraft plant can also be worn for girl being soldering. It has elastic belt, patch pocket for small tools.



VANISHED PANTS are hidden under skirt (\$4.95) which reverses to match striped ticking jacket (\$10.95, I. Spiewak). Basket is \$3.95 (Le-see).

CONTINUED ON NEXT PAGE

New plastic bandage

Flesh-colored ...
Won't loosen
in water!



JOHNSON & JOHNSON



BE LAZY- USE SERVISET!

The economical new table setting
that does away with dishwashing



How many times have you said, "Oh how I wish those dishes would wash themselves!" Well, use SERVISET and your wish will come true. With SERVISET all you do is throw the dishes away—napkins and tablecover, too. So—try SERVISET and stay out of the kitchen and laundry—start living!

SERVISET is the attractive inexpensive paper tableware that comes in matching paper plates, Handi-Handle® cups, napkins, and tablecover.

Look also for PURITY® paper tableware. Big Pak for every-

• ALSO BY THE MAKERS OF SERVISET •

Space Saver Locker Boxes
Ideal for frozen foods

Bake-A-Pie Plates
with the exclusive metal rim



SUTHERLAND PAPER COMPANY
Kalamazoo, Michigan • Santa Clara, California

FACTORY FASHIONS CONTINUED



ORLON COVERALL (\$16.95 with turban) is acid-proof to protect chemical workers. It is also useful for cosmetic workers like girl at Helena Rubinstein's new Long Island factory, since it keeps clothes out of food cream vats.

Colorful as a Peacock



Beautiful New **KENFLEX** Floors VINYL TILE

stay shining clean with damp moppings!



KenFlex colors shown: Lime Green, Shannon Green and White Ivy

At last, here's a floor that's *really* easy to clean . . . that saves you hours of housework and gives you the prettiest, clearest, stay-bright colors available in vinyl tile today! It's true! New KenFlex never needs scrubbing. Ordinary dirt, bleaches, cleaning fluids . . . even inks and ruinous greases wipe up quickly, easily, without leaving a mar or a stain! And thrilling new KenFlex doesn't even need waxing unless you want to give its lustrous surface an even brighter gleam.

It's Easy and Economical to Install KenFlex Yourself: Kitchen at left (6'x 12'9") costs only \$26.75. Dining area (7'6" x 10'6") costs \$24.50. Your cost may vary depending on size of room and freight rates. See your local Kentile, Inc. Dealer. His name appears under FLOORS in your Classified Telephone Directory. In Canada, T. Eaton Co., Ltd.



KENTILE • KENCORK • KENRUBBER • KENFLEX

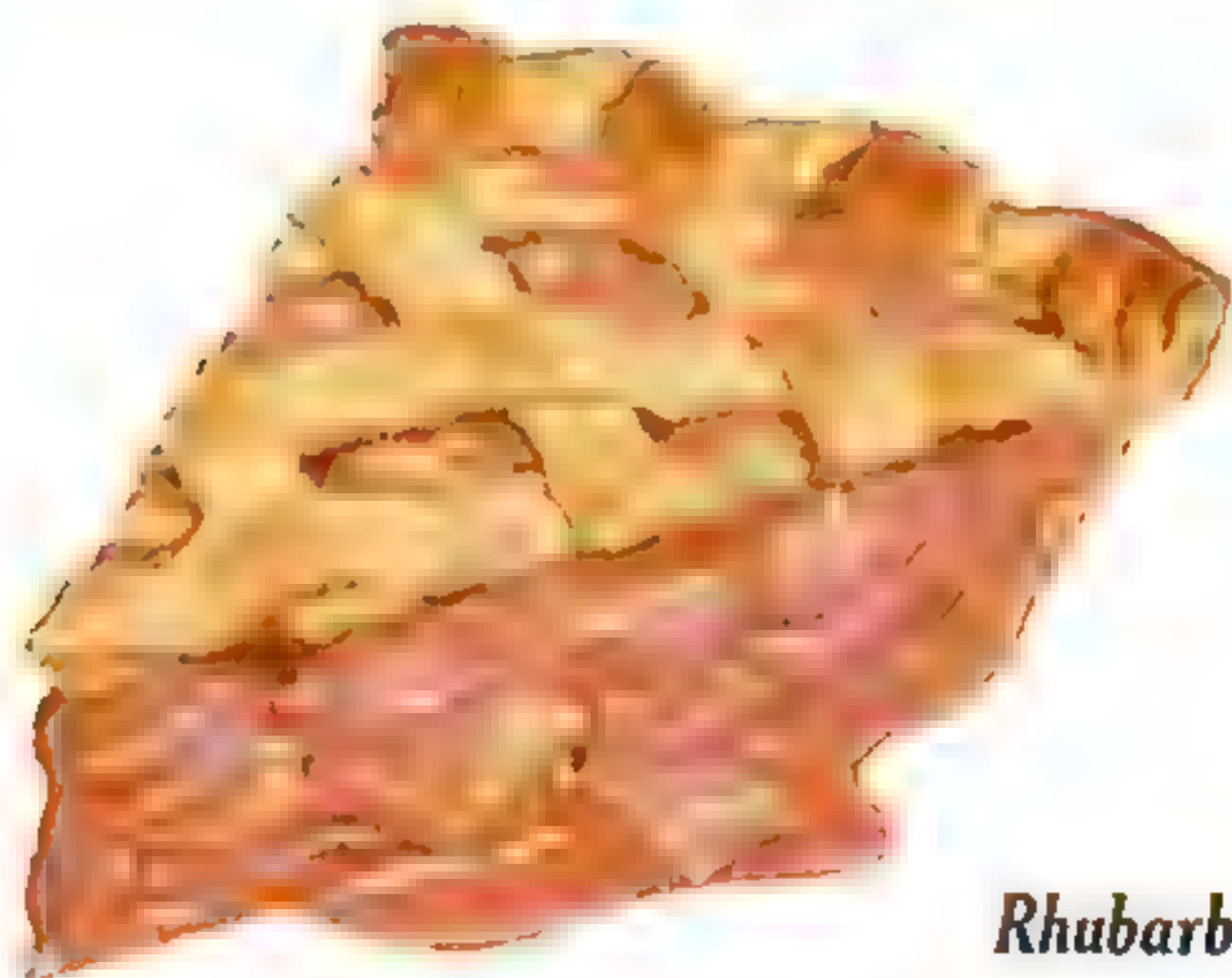
©1952 Kentile, Inc., 58 2nd Ave., Brooklyn 15, N. Y.

✓ **Check your
husband's favorite
Fruit Pie**

(Make it with canned or frozen fruit)



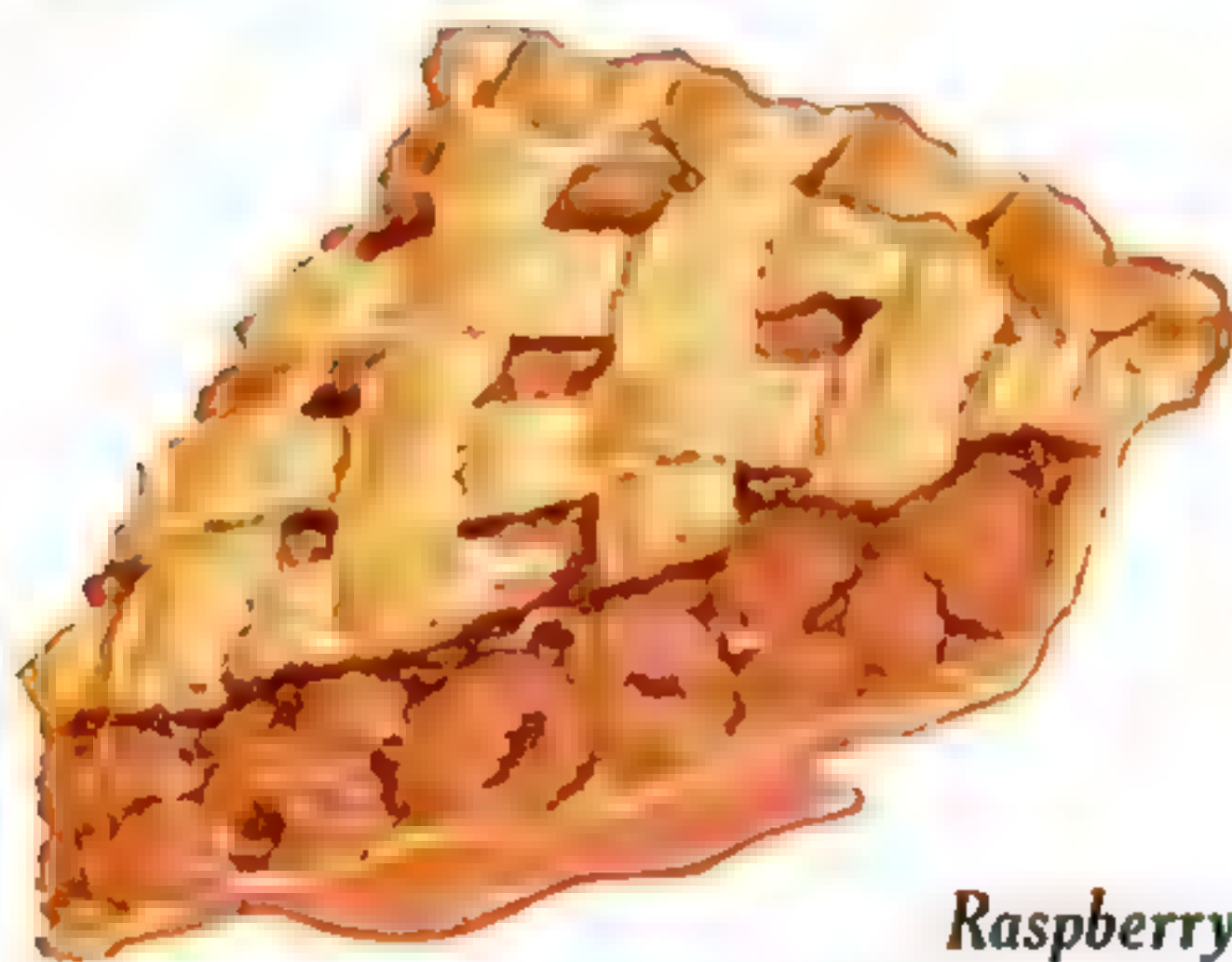
Cherry ☐



Rhubarb ☐



Gooseberry ☐



Raspberry ☐



Blueberry ☐

Make it Faster, Make it Flakier with Chill-Blended

Pillsbury Pie Crust Mix

THE ONLY CHILL-BLENDED MIX



Apple ☐



Peach ☐



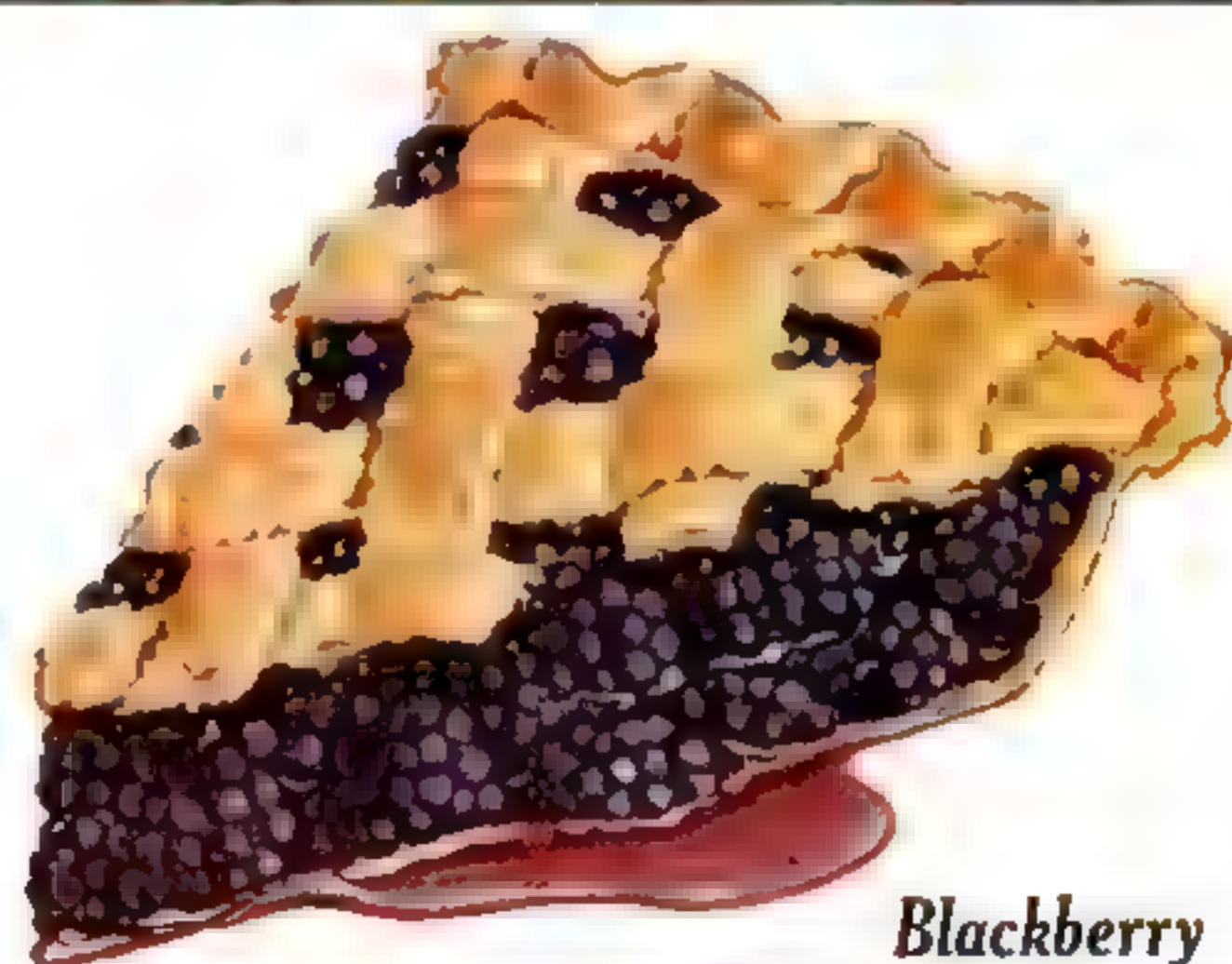
Raisin ☐



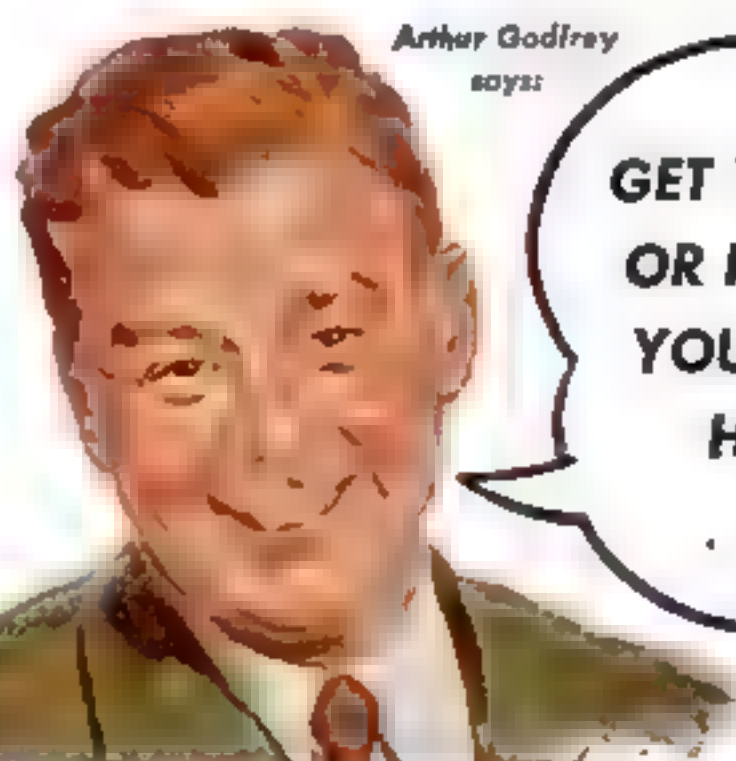
Strawberry ☐



Pineapple ☐

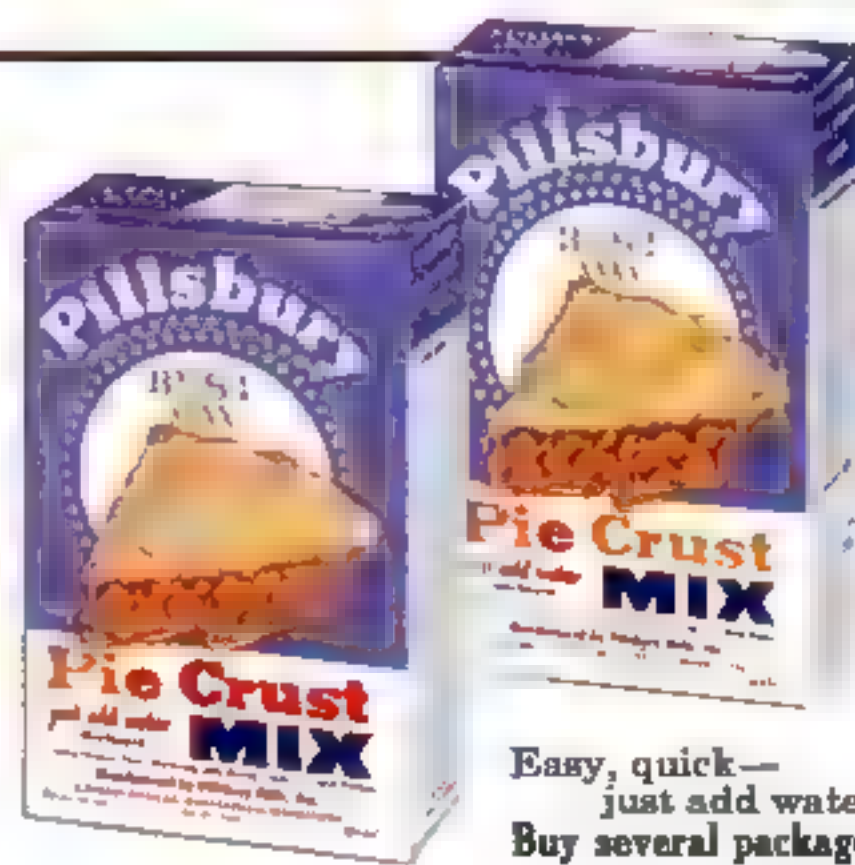


Blackberry ☐



Arthur Godfrey
says:

GET YOURSELF SOME CANNED
OR FROZEN FRUIT AND BAKE
YOUR MAN A PIE SO FLAKY
HE'LL REMEMBER IT THE
REST OF HIS LIFE



Easy, quick—
just add water.
Buy several packages

This will stop you: a raincoat so different from any you've ever known, there ought to be another word for it. It's made with Acrilan, the new fiber that means high fashion with low upkeep. If it gets splattered with mud, all you do is wash it. If you get caught in the rain, it will protect you completely, because it's completely water-repellent. If you get caught in the sun, that's OK too, because it makes a beautiful spring coat. If you like to travel, this raincoat is good company; it's lightweight and wrinkle-resistant. Can you see your way clear to a new raincoat this spring? Then this is it.

RAINCOAT AND HAT
BY MARY REEF FASHIONS
IN DEERING WILKINSON LONDON
52% ACRILAN - 48% RAYON

ACRILAN

AT LORD & TAYLOR NEW YORK • CHARLES A. STEVENS CHICAGO • J. L. HUDSON DETROIT • G. MABEL S. PITTSBURGH • J. MAGNIN ALL STORES • BLUM STORE PHILADELPHIA • AND OTHER FINE STORES
ACRILAN ACRYLIC FIBER IS AVAILABLE IN LIMITED QUANTITIES TODAY IN RAINWEAR, DRESSES, SUITS AND SPORTSWEAR, MEN'S SPORTSWEAR, AND FABRICS BY THE YARD
THE CHEMSTRAND CORPORATION, DECATUR, ALABAMA • NEW YORK OFFICE: EMPIRE STATE BLDG., NEW YORK 1, N. Y.



LEARNING GEOGRAPHY, GYPSY CHILDREN STAND ON A RELIEF MAP OF SPAIN WITH REAL WATER AROUND IT AND SING OUT NAMES OF TOWNS THEY REPRESENT

LEARNING THROUGH GAMES

In an outdoor school a Spanish priest finds a way to teach wild gypsy children

Up in the hills around Granada, Spain, is a school that makes learning just as painless as possible. All its classrooms are outdoors, separated not by walls but by bushes. Most of them contain things that look like children's games.

big relief maps on the ground, interesting sets of circles and squares. But in climbing on the map the pupils learn geography. In hopping about the squares and circles they learn sentence structure and multiplication. Practically all the children have to do to learn is play.

There is a good reason for this sugar-coating. All of the children in the school are off-spring of gypsies who have lived in the hills as long as anyone can remember. Father Andres Maunon, who founded the school and named it Ave Maria, came there in the 1880s and found the children running around like monkeys. He tried a regular school for one day but could not keep the gypsies indoors in class. So he decided to make an outdoor game of learning.

Now Father Andres is dead and the school is

run by his nephew, Father Pedro. All the gypsies send their children there—even Lola Medina, the wealthy gypsy dancer, who could afford to send her nieces and nephews elsewhere. At Ave Maria the day lasts from 9 to 5 with a break for lunch, sometimes soup, sometimes omelette, depending on what cash the father has been able to collect. And Father Andres' original idea has proved so popular that the gypsies go on playing school all summer, even though Ave Maria is technically closed.



People take us for sisters

All of you have seen women who seem so vital, so alive, that you'd swear they were the older sisters of their own daughters. The chances are these women seem young because they "think young"—even about such delicate problems as the proper method of monthly sanitary protection.

Tampax is the young way, the modern way, the internal way. Invented by a doctor, Tampax lets you avoid the inconveniences and embarrassments of "those difficult days." There are no belts, no pins; there's no odor, no chafing—you don't even feel you're wearing the Tampax, once it's in place. And with Tampax there's nothing that can possibly show beneath your closest-fitting dresses.

NO BELTS
NO PINS
NO PADS
NO ROSS

Made of pure, white surgical cotton, Tampax comes in dairy applicators, is easily disposable. Month's supply goes in your purse. Tampax is sold at drug or notion counters in 3 absorbencies: Regular, Super, Junior. The economy size box holds an average 4 months' supply. Look for Tampax Vendor in restrooms throughout the United States. Tampax Incorporated, Palmer, Mass.



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TAMPAX INCORPORATED LF-13-43-F
Palmer, Mass.

Please send me in plain wrapper a trial package of Tampax. I enclose 10¢ (stamps or silver) to cover cost of mailing. Size is checked below.

() REGULAR () SUPER () JUNIOR

Name

Address

City State



GRAMMAR LESSON becomes game as teacher calls a sentence ("We go to Madrid"), the children clap their

hands and four boys take places as the subject (right), verb (center), preposition (hands out) and object (left).



CHECKING UP, Father Pedro drops in at one of his classes to make jokes with children and tell a few stories.



PATCHING UP, a pupil and his donkey bring rock to repair one of outdoor classrooms which frequently wear out.

CONTINUED ON PAGE 123



JOIN THE

REO

Haul of Fame!

"The Reos are coming," Paul Revere cried,
As he revved-up his Gold Comet steed,
"This engine's the pride of the countryside,
It's loaded with power and speed!"



PAUL REVERE says: "Pound for pound, Reo's Gold Comet delivers most horsepower of any 7-main-bearing truck engine...gives you replaceable wet cylinder sleeves that eliminate reboring, interchangeable main bearing inserts, and many other fine features. It's unbeatable for power, economy, and dependability!"

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Lansing 20, Michigan

LOOK TO REO FOR COMPETITIVE PRICING . . . 107 TO 162.5 HORSEPOWER, LP GAS OPTIONAL
MORE-PAY-LOAD DESIGN . . . OUTSTANDING TRUCK IN THE DIESEL MARKET

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Dealers in cities throughout the United States and Canada

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Now! in seconds your
favorite gelatin desserts
become real party treats...

when you always serve them
glamorized with fresh, real cream Reddi-wip!



Reddi-wip®

Is the easy way to put
big smiles on little faces

It's the same pure
fresh cream, but Reddi-wip
whips it for you!



**Quick Treat...
Ready In a Minute!**

Mothers! When you
serve colorful, quick-to-
fix gelatin treats, always
count on Reddi-wip to
add the glamor.

At a cost of less than
2¢ a serving, snowy
mounds of luscious real-
cream Reddi-wip are
whipped instantly at a touch
of your finger, without work or
waste. And Reddi-wip contains
only half the calories of ordinary
whipped cream.

It takes so little time to make the "big"
dessert children and all the family will love;
serve gelatin with Reddi-wip tonight!



Reddi-wip® designates the fresh
cream product of Reddi-wip, Inc. and
its authorized processors throughout
the United States and Canada
© R. W. Inc.



SIMPLE ARITHMETIC is taught first graders by ex-pupil Dona Dolores. The standing children are numbers, the kneeling ones commas between them.



MULTIPLICATION is played on a big outdoor checkerboard-like graph. The teacher announces the problem and children change squares to solve it.



ANATOMY is demonstrated on huge body made of pebbles on the ground and cardboard skeleton. Children match up bones on skeleton with their own.

CONTINUED ON NEXT PAGE



View from Union Pacific's Grand Canyon Lodge

GRAND CANYON

National Park, North Rim

together with

ZION

and

BRYCE CANYON

National Parks

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● It's a thrilling adventure to visit these three famous National Parks all closely connected by smooth highways. No two Parks are alike in spectacular formations or glowing color. Union Pacific motor buses meet your train at Cedar City, Utah, where the tour of the Parks begins.

Make these National Parks your vacation destination or, as many do, visit them as a stop-over on the way to or from Los Angeles. Comfortable accommodations and excellent meals.

Mail coupon for a Southern Utah-Arizona booklet which describes the Parks and how to get there.

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Please send free Southern Utah-Arizona booklet.

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NEW!

DOUBLE HEADER

SELF-WRINGING

MINUTE MOP

DOUBLE SIZE! DOUBLE FAST! DOUBLE EASY!

The new Ekco Minute Mop is twice the size of ordinary cellulose sponge mops! Absorbs more than twice the water... covers twice the mopping surface. That's why it cleans double fast and double easy! Gives double-wear, too, because the mop-head is reversible!

Everything about the new Ekco Minute Mop is not only bigger but better! The self-wringing lever is high on the handle to let you wring without bending... rinse and clean your mop under water without getting your hands wet. Cushion-bumpers front and back protect your woodwork and furniture. Exclusive "channel-drain" lets you wring without splashing! Get a Minute Mop wherever fine housewares are sold. No other mop like it!

Minute Mop cleaning aids to make every job easier



Enjoy *Welcome Travelers TV* starring Tommy Bartlett... Mondays over NBC-TV

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Another great product by

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SCHOOL FOR GYPSIES CONTINUED

A PUPIL WHO DANCES



CELEBRITY'S NIECE, Marité Mendoza (second from left) learns her arithmetic. Her aunt is the settlement's first citizen, the gypsy dancer Lola Medina.



SOLO PERFORMANCE is staged by Marité, 5, who hardly ever joins group dances because "my aunt says a real gypsy ballerina always dances alone."



NIGHTLY LESSON is given to Marité by Aunt Lola Medina who lives in this 11-room cave with her husband, a pink marble bathtub and a telephone.

this diamond

was well known at the turn of the
18th century...on the French
Revolutionist playing cards.



this diamond is well known the
world over today. It's the label for the gin that's **dry**,
naturally dry...**clear**, crystal clear...the **right proof**,
90 proof...and the **right taste** for perfect mixing.



The world agrees on "GILBEY'S PLEASE"

GILBEY'S DISTILLED LONDON DRY GIN. 90 PROOF. 100% GRAIN NEUTRAL SPIRITS. W. & A. GILBEY, LTD., CINCINNATI, OHIO

THE INTERNATIONAL GIN—distilled and bottled in the United States, England, Canada, Australia, South Africa, France, Italy, Argentina, Brazil and Chile.

We promise that here you'll find the electric range of your dreams



(Model RS-70)

Frigidaire's beautiful new line of ranges includes one that's exactly "tailored" to your needs

Now's the time to treat yourself to all the many wonderful advantages Frigidaire Ranges have to offer—their fast cooking, cleanliness, economy and greater convenience.

Every Frigidaire Range is an eye-catching beauty—with superbly practical features that add to your reputation as a top-notch cook. All have easy-cleaning, rust-proof porcelain finishes inside and out. But here's the best news of all! There are Frigidaire Ranges for large families or small, for lots of kitchen space or little. For modest budgets, too! So, choose from 21, 30 and 40-inch ranges—one or two-oven models—even the famous "Wonder Oven" Range, that bakes and broils at the same time. Let your Frigidaire Dealer tell you about this versatile, beautiful and practical line!

← Everything to make cooking easy and fun!

Big family? Look over this De Luxe two-oven model. See the exclusive, new Quick-Clean ovens. Radiantube Surface Units have individually lighted switches. Convertible Deep-Well Cooker. Electric Time-Signal. Cook-Master Oven Clock Control. Two appliance outlets, one automatic. Full-width Cooking-Top Lamp. Truly the finest range you could want—or money can buy.

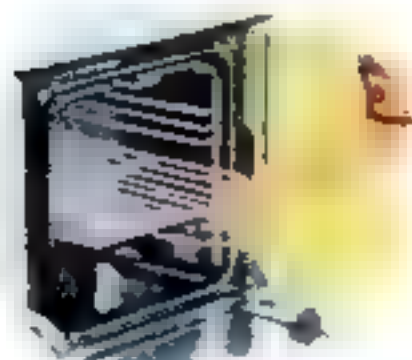
(Model RS-60)

See these two ovens become one big oven →

Here's the exciting Frigidaire "Wonder Oven." Enjoy two ovens—bake in the bottom, while you broil in the top—or, in seconds, change them to one big oven! Radiantube Surface Units, Cook-Master Oven Clock Control,

Electric Time-Signal. Two appliance outlets, one automatic. Oven Signal-Lights, Full-width fluorescent Cooking-Top Lamp—and the new Quick-Clean Oven that cleans as easily as any kitchen utensil.

Both these wonderful ranges feature exclusive new Quick-Clean Ovens!



Everything slides out quickly, easily, for cleaning—shelves, guides, drip tray—even the heating units!



No more awkward scraping or scrubbing hard-to-reach oven parts. Wash 'em in the sink like a pot or pan!



How simple to clean the porcelain oven with everything out! No sharp corners or crevices. It's smooth!





(Model RS-28)

A Frigidaire 2-Oven Range at a New Low Price

What a buy this is! A 2-oven, Master model range, roomy, beautiful — at the price of many single-oven models. Two full size, separately controlled ovens, each with the exclusive Evenizer for all-over, accurate heat. Automatic pre-heating. Separate oven Signal-Lights. 5-Speed Radiantube Surface Units for perfect top-of-the-range results. Cook-Master automatic Oven Control. Full-width Storage Drawer. Lifetime Porcelain finished cabinet and top resists stain and are easy to clean. You *must* see this wonderful new model. Its price will surprise you!



See your Frigidaire Dealer.

Ask him to show you the ranges that Arthur Godfrey recommends on his daytime TV-radio show. Look for your Dealer's name in the Yellow Pages of the phone book. Or, for free descriptive folder, write Frigidaire Division of General Motors, Dept. 2080, Dayton 1, Ohio. In Canada, Toronto 13, Ontario.



(Model RS-38)

Famous "Thrifty-30" with new Deluxe Styling

Here are big-range advantages — packed into just 30 inches — and at a wonderful price for you! Here's a positively *huge* oven, that takes a 30-pound turkey easily, while the Cook-Master automatic Oven Control gets you out of the kitchen. New Electric Time-Signal. Oven Signal-Light, Full-width fluorescent Cooking-Top Lamp. Automatic appliance outlet. 5-Speed Radiantube Surface Units. Oven Interior Light. Full-width Storage Drawer. Lifetime Porcelain finished cabinet, top and oven. Ideal for small space or small budget families! See it right away!



(Model RS-10)

Tight budgets will love this low-priced beauty!

Lowest priced model in the line — yet a wonderful porcelain-finished electric range! New styling, with divided cooking top, 5-Speed Radiantube Surface Units, porcelain top. Convenient appliance outlet. Big Oven, with Oven Signal-Light, High-Speed Broiler with porcelain pan and grid. Lots of other wonderful features.

Frigidaire *Electric* Ranges

Built and backed by General Motors

“Soaping” dulls hair— HALO glorifies it!



Yes, “soaping” your hair
with even finest liquid or cream shampoos
hides its natural lustre with dulling soap film.

Halo—made with a special ingredient—contains no soap or sticky oils to
dull your hair. Halo reveals shimmering highlights . . . leaves your hair
soft, fragrant, marvelously manageable! No special rinses needed.

Scientific tests prove Halo *does not dry . . . does not irritate!*



Halo glorifies your hair with your very first shampoo!



FAMOUS FRIEND'S FREQUENT DATE, DANISH MARGARETHE JORGENSEN, DOES U.S. NUMBER IN CHORUS



VIENNESE DANCER Christine Bruckner won famous customer's favor at club where she performs.



AMERICAN ACTRESS Linda White got roses in Venice, said she expected to see the sender in Rome.

WHEN IN ROME, OR...

Gossip is a girl's best friend

In Rome recently there has grown up an expanding sisterhood of nightclub entertainers who are being pushed into fame, not because of their theatrical talents but because of their friendship for a well-known and tireless nightclub habitu . Three have actually been seen with him. A fourth got talked about by riding in his car. The fifth set Roman tongues wagging at long distance by announcing that she had received a bouquet of 400 roses from him while in Venice. The five girls, none Roman or even Italian, hail from five separate countries, seem to have little in common except their admirer.

← **BELGIAN REDHEAD** Maria Wegge, gossips said, was met by admirer's auto on arriving from Brussels.



SECOND THOUGHT ON IT ALL . . .



BEFORE BECOMING CELEBRATED Christine Duvy of France strutted gracefully though obscurely, in a Rome theater revue, *Cinema Capet*.



AFTER FAME STRUCK Christine still had job, but, complaint, gossip was ruining her career as a dancer. She covered her face from photographers.

Step Lively
On America's Largest Selling Foam Crepe Soles

BILTRITE NURON-CREPE

Better than natural crepe in every way

WIDE RANGE OF FASHION COLORS

EXTRA SOFT!
EXTRA THICK!
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New!



Scientific proof! Tracer Method technique (above) proves New Fresh Cream Deodorant superior in keeping underarms dry.



Philip Hulitar designed her gown and mantle of Parma blue faille. Her deodorant, sure New Fresh.

...a Sensational Step Forward in deodorants!

gentle NEW FRESH will give you up to 180% more underarm protection than other leading cream deodorants. Proved by university scientists!

Now the greatest improvement in deodorants in years is in New Fresh Cream Deodorant. By a skillful change in formula, New Fresh is now up to 180% more effective than other leading cream deodorants! It outperforms all the others tested in keeping underarms dry. It stops odor completely! Never sticky, it's creamy soft and as extra-gentle to skin as ever!

Superior new formula! Tracer Method Tests made in a famous university laboratory prove that the gentle new moisture-control formula in New Fresh Cream Deodorant is far superior in astringent action to other leading cream deodorants! And it's the astringent action in deodorants that keeps underarms dry... actually keeps you and your clothes safer!

New Fresh keeps you Lovely to Love Always...



Sure, yet gentle! Stops underarm odor instantly, keeps underarms dry. Creamy, gentle. Safe for fabrics. Use New Fresh Cream Deodorant daily. Fresh is also manufactured and distributed in Canada.

Don't risk ROAD RAVAGE* when
**SPRING PUTS YOUR CAR
 IN A MUD-BATH!**



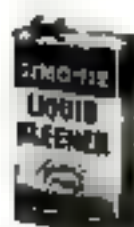
**Simoniz® protects and beautifies
 up to 6 months and longer**

New speedy method, developed by experts, now makes SIMONIZING easier. Actually takes only a few hours per year.

"Thin-Skin" liquid car waxes just can't protect your car's finish through Spring's tough weather. They contain so little real wax, they can't resist the gritty action of mud and dirt. They fail to protect finish from pelting rains that make rusting possible.

Only durable SIMONIZ stops Road Ravage. Seals out mud, dirt, traffic film, road scum. And SIMONIZ gives a rich lustre that outshines any wax or polish!

So don't waste time and money on "Thin-Skin" liquids. Protect your car up to 6 months with SIMONIZ. Thousands find they can now SIMONIZ their cars in less than 2 hours. For complete protection all Spring—SIMONIZ today!



IMPORTANT! No matter what wax you use, it is essential to clean your car first. For best results use Simoniz Liquid Kleener. Faster! Cleans better. Makes SIMONIZING far easier!

MOTORISTS WISE SIMONIZ!

**Why "Thin Skin" liquid
 waxes can't stop
 ROAD RAVAGE**



In a whole container of liquid car wax there is less than a spoonful of real wax—the rest is just liquid. No wonder they fail to give lasting protection and lustre! But Simoniz is not a liquid. Every can contains 100% tough, durable Simoniz. That's why it lasts so long—protects up to 6 months.



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When in Rome CONTINUED

THE CAUSE OF IT ALL . . .



EX-KING FAROUK, on loose in Rome, was customer whose friendship, real or reported, brought girls celebrity. Here he is serenaded at night spot.

GETTING AWAY FROM IT ALL . . .



EX-QUEEN NARRIMAN, here arriving in Cairo with mother, says she will seek to divorce Farouk because "he cared for nothing but his own amusement."

Like having a "Handy Man"

to do your scrubbing,
waxing, polishing
**ALL AROUND
THE
HOUSE!**

versatile
REGINA

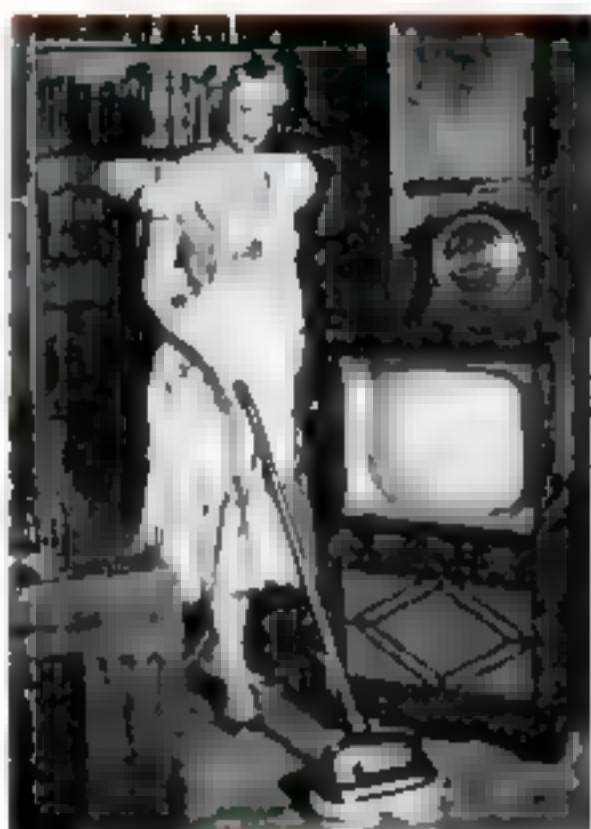


POLISHER and SCRUBBER

*America's No. 1 Polisher for a Lifetime
of Beautiful Floors, Furniture, Counter Tops*



1. Regina scrubs your floors super-clean! Scrubbing brushes scour linoleum, flagstone, terrazzo, travertine, wood floors—cleanse plastic, asphalt, cork, rubber or marble tile in minutes!



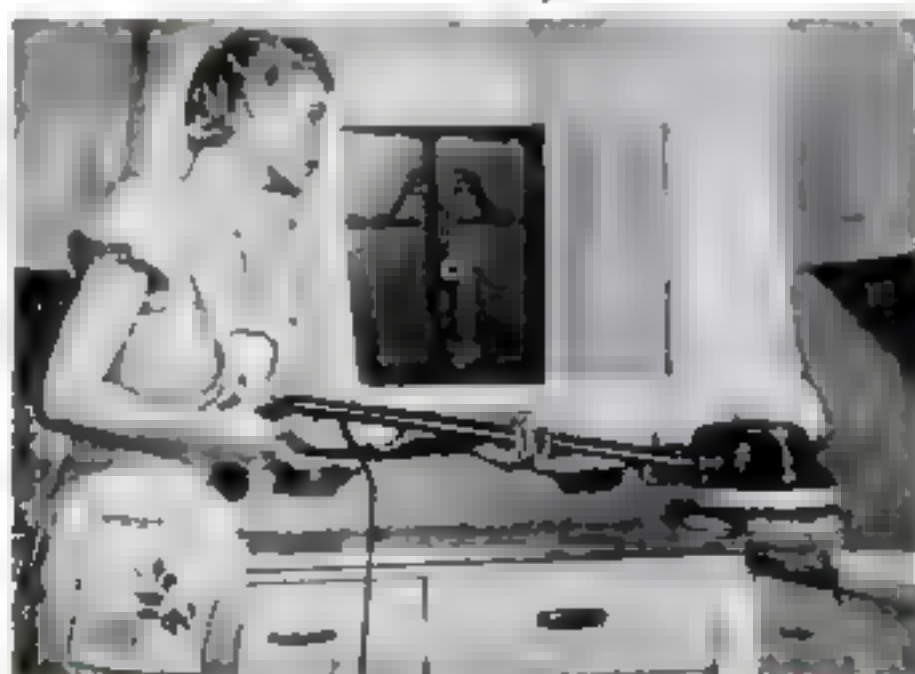
2. Regina polishes floors sparkling-beautiful! Fine Tampico brushes polish an entire room in practically no time. Into corners—right up to baseboards without marring!



3. Regina buffs floors, tables, book shelves, desks. Reversible buffing pads snap on, harden wax to lustrous, protective finish.



4. Regina wakes up the sleeping beauty of your bedroom! Gives a jewel-like luster to your dressers, chests, head boards. Fairly floats over the furniture at your slightest touch!



5. Count on Regina for kitchen counters—for fire-place tile and brick, paneled walls. Protects and beautifies window sills, radiator covers.



6. Regina dry cleans and waxes at the same time! Double-action steel wool pads do both jobs in one operation—save time and trouble.



7. Regina sands traffic spots. Quickly, efficiently refinishes worn spots on hardwood floors, tables, desks, etc.



8. Regina is a handy bench sander! Useful workroom tool for refinishing furniture and other sanding operations.



9. And now—NEW RUG-CLEANING ATTACHMENT for professional rug-cleaning at home! No more brushing-in cleaning compounds by hand! Saves time, saves work, and does a more thorough job! Extra equipment, moderately priced.

Now you can give your floors and furniture that professionally-cared-for look . . . easily, quickly, efficiently . . . with Regina, the many-purpose, home-size electric polisher. The Regina keeps wood, linoleum and other hard surfaces sparkling-clean and gleaming with rich, lustrous beauty. All you need do is guide it with your finger-tips! Ask for a demonstration of time-saving, work-saving Regina at your favorite store, or at stores listed under Regina in your classified telephone book.

• The Regina will give many years of trouble-free service. Standard equipment includes:

- 2 waxing and scrubbing brushes
- 2 polishing brushes
- 2 reversible buffing pads



Regina Reconditioning Kit Extra Equipment: Handy 25-piece kit has everything you need to sand floors, tables, desks; and to dry clean floors with steel wool.

Also producers of the Regina Elektrikbroom—the easiest-to-use vacuum cleaner ever invented!

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"THE STORY OF A MODERN CINDERELLA"

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In CANADA: GELING INDUSTRIES, LTD., WILLOW, ONTARIO

Can your make-up pass the "close-up" test?



You're lovely to look at—even close up—with Solitair
cake make-up

... by CAMPANA

New and Wonderful!

Solitair Beauty Lotion
—ocean blue, fragrant,
Lanolin-rich. For hands
and body. Splash it on after
your bath! What luxury!
• for only 39¢ and 73¢.



Your most important moments are in "close-ups" . . . the very times when little skin faults are noticed most. Often, they show right through your make-up, in close-ups. But not if you wear Solitair. Solitair conceals each little skin imperfection. Your complexion looks flawlessly lovely—yet completely natural . . . never "mask-like." No other make-up gives you Solitair-beauty in close-ups! Try it . . . see for yourself the wonderful difference Solitair makes in *your* complexion!

Make this test: Look in your mirror, close up. Can you see little skin faults through your make-up? You won't, because if you wear Solitair!



Contains Lanolin.
Will not clog pores.



IN DUFY'S STUDIO several paintings were kept going at once by the artist. The last one he worked on was the

small scene on easel depicting a Riviera casino. Like the others, it was developed from memory and imagination.

The Last of Dufy

On the French Riviera recently, a small procession made its way to a cemetery high on a hill overlooking the sunlit rooftops of Nice. There the group paid last honors to a poor warehouse clerk who rose to be one of France's grand old men of modern art. Raoul Dufy had died at the age of 75, bringing to a close the 15-year battle which the artist had waged against arthritis.

By 1950, the ailment threatened to halt Dufy's

career, for his hands were so crippled they could scarcely hold a brush. Then he came to the U.S. for cortisone treatments (LIFE, Jan. 22, 1951), improved so much he was able to return to his homeland and his art. In his farmhouse in Provence he painted several hours a day, even mounted a scaffold to design a mural. When he died, his studio was alive with the gay, staccato scenes which are as effervescent—and today as famous—as French champagne.



AT DUFY'S GRAVE in Nice cemetery, Dufy's housekeeper and companion for the past 12 years sprinkles dirt

on the artist's casket. Behind her are Dufy's sisters and, in heavy veils, his wife, who lived apart from him in Nice.

CONTINUED ON NEXT PAGE

If his birthday
is between
April 21 and May 21

His sign is Taurus. He's persevering, self-sacrificing, sympathetic—a person who richly deserves this 21-jewel Lord Elgin Clubman with the heart that never breaks, the exclusive guaranteed DuraPower Mainspring. \$71.50

He'd like a **Lord Elgin**
CLUBMAN

Pat. Tm. Int.

SAFE

as the Queen's
Crown Jewels

Carry your travel funds
this safe, spendable way
on your Coronation visit!

Your travel funds, in the form of National City Bank Travelers Checks, couldn't be safer, if they were guarded in the Tower of London, with the Crown jewels. NCB Travelers Checks are spendable anywhere, for anything. If lost or stolen you get a full refund. Cost only 75c per \$100. Good until used. Buy them at your bank.

The best thing you know
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**NATIONAL CITY BANK
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Backed by The National City Bank of New York
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The
"BOTTLE BACILLUS"
(*Phytosporum Ovale*)

INFECTIOUS DANDRUFF?

Go after the germs with
Listerine Antiseptic and Massage... Quick!



THOSE flakes and scales on coat shoulder—especially if they persist—may be symptoms of infectious dandruff and the millions of germs that go with it.

Don't delay or experiment with untested methods. Get started at once with Listerine Antiseptic and massage twice-a-day and keep it up. This is the tested way that has helped so many...

... may help you
Listerine Antiseptic treats the infection as an infection should be treated... with quick germ-killing action.

Kills "Bottle Bacillus"

Listerine kills millions of germs associated with infectious dandruff, including the "Bottle Bacillus" (*P. ovale*). This is the stubborn invader that so many dermatologists call a causative agent of infectious dandruff.

Don't expect results overnight. You must be persistent: use the treatment twice a day as long as necessary. You will be delighted to see how quickly flakes and scales begin to disappear... how itching is alleviated... how healthy your scalp feels.

Remember, in clinical tests twice-a-day use of Listerine Antiseptic brought marked improvement within a month to 76% of dandruff sufferers.

When You Wash Hair

To guard against infection, get in the habit of using Listerine Antiseptic every time you wash your hair. It's a wise precaution against infectious dandruff as well as a grand treatment. Lambert Pharmacal Company Division of The Lambert Company, St. Louis, Missouri.

THE TESTED TREATMENT FOR INFECTIOUS DANDRUFF

Every week 2 different shows, Radio and Television

"THE ADVENTURES OF OZZIE & HARRIET"—See your paper for times and stations

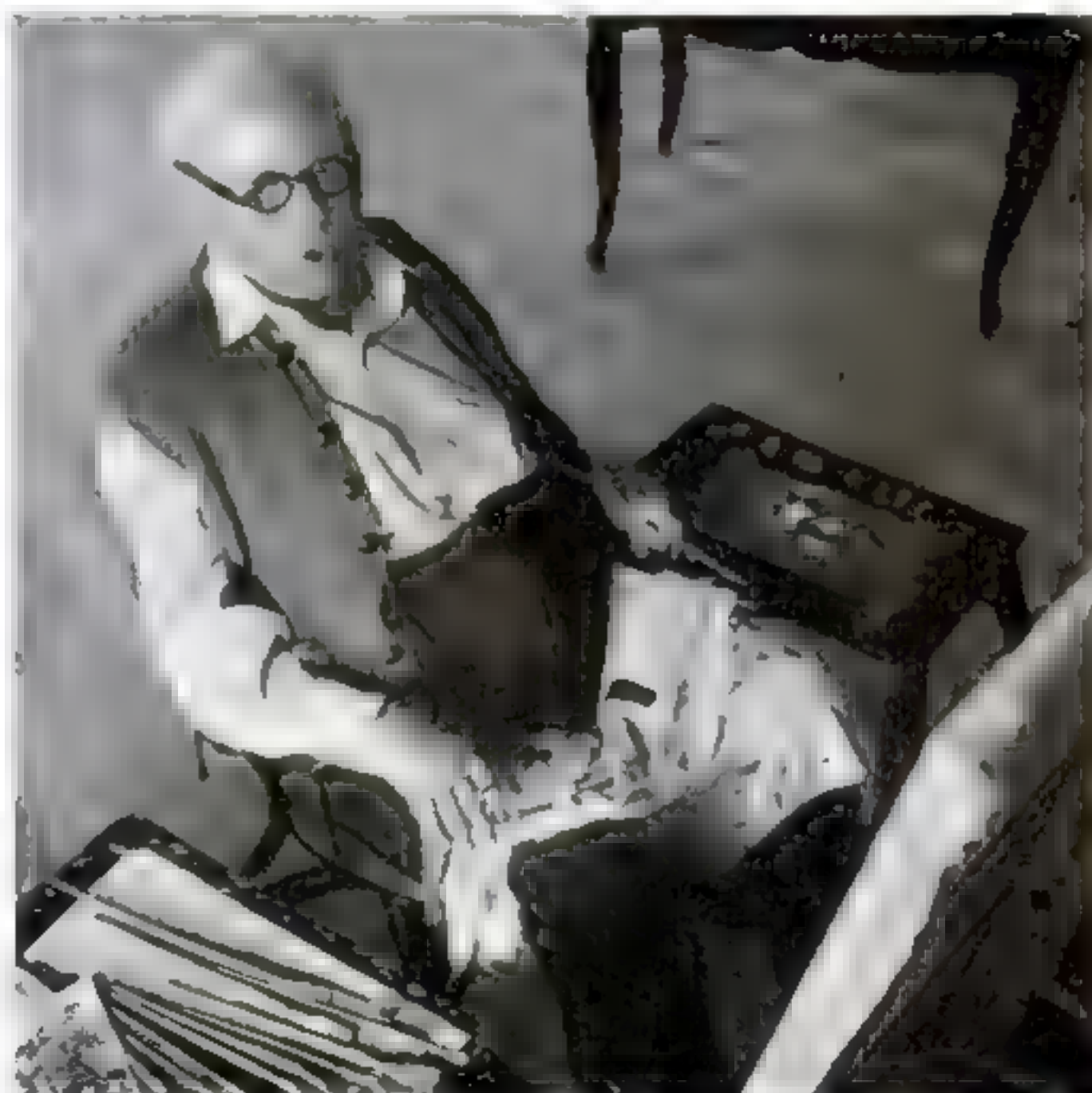
THE LAST OF DUFY CONTINUED



DUFY'S FARMHOUSE, where he died, is near town of Forcalquier, north of Marseilles. Artist installed elevator so he could get to upstairs studio easily.



ONE OF LAST PAINTINGS was called *The Great Concert*. A devotee of music, Dufy spent his last evening listening to recordings of a Wagner opera.



A LAST PORTRAIT, taken three weeks before he died, caught Dufy in conversation. His hands, though still arthritic, could keep firm grip on brushes.



Exciting New Colors

glorious Flamingo—lovely Ramona Green

Super Kem-Tone

THE DELUXE WASHABLE WALL PAINT

Glorious, new Flamingo and lovely Ramona Green SUPER KEM-TONE make color news to carry out the fashion for contrasting walls.

Put exciting new colors on your walls and give your rooms a "lift" in beauty. It's easy with SUPER KEM-TONE, the wonderful, new *latex-base* paint you hear so much about. It goes on smoothly with brush or Roller-Koater...dries evenly to a velvet-rich, rubber-tough finish. A gallon is usually enough to paint the walls in the average room, and it dries so fast you have a "new" room in a day. Choose from more than a hundred of the newest decorator-styled colors. And for your woodwork, you can get the same lovely colors in KEM-GLO, the miracle lustre enamel.

\$1.65
QUART
\$5.19
GALLON
(DEEP TONES
\$5.45
A GALLON)



No thinning... just stir and apply

IT'S GUARANTEED WASHABLE

After it has thoroughly dried, tests show SUPER KEM-TONE will withstand repeated washings with usual household cleaners without losing its beauty. Dust, grime, grease, even crayon marks wash right off its tight, rubber-tough surface. SUPER KEM-TONE is guaranteed washable or your money back by these seven leading paint companies.

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The Iowa Brothers Co., Dayton
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W. W. Lawrence & Co., Pittsburgh
John Lucas & Co., Inc., Philadelphia
Rogers Paint Products, Inc., Detroit

If you wish, we will gladly recommend a painting contractor for any of your painting needs.

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PINT
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QUART
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GALLON



America's Favorite and Finest Enamel—KEM-GLO®

LOOKS AND WASHES LIKE BAKED ENAMEL

Now... have lovely, colorful walls and ceilings in your kitchen and bathroom... if you use KEM-GLO, the durable enamel with the rich, subdued lustre that washes as easily as your refrigerator. Ideal, too, for all woodwork throughout

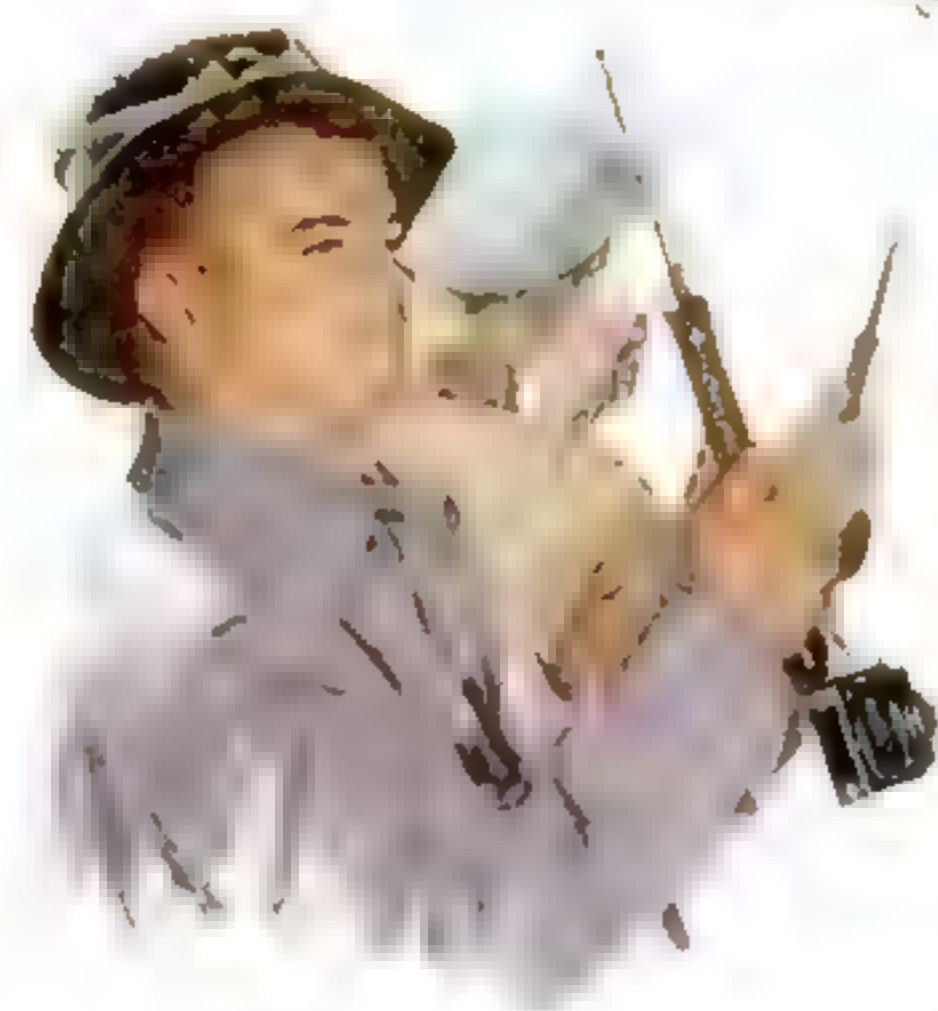
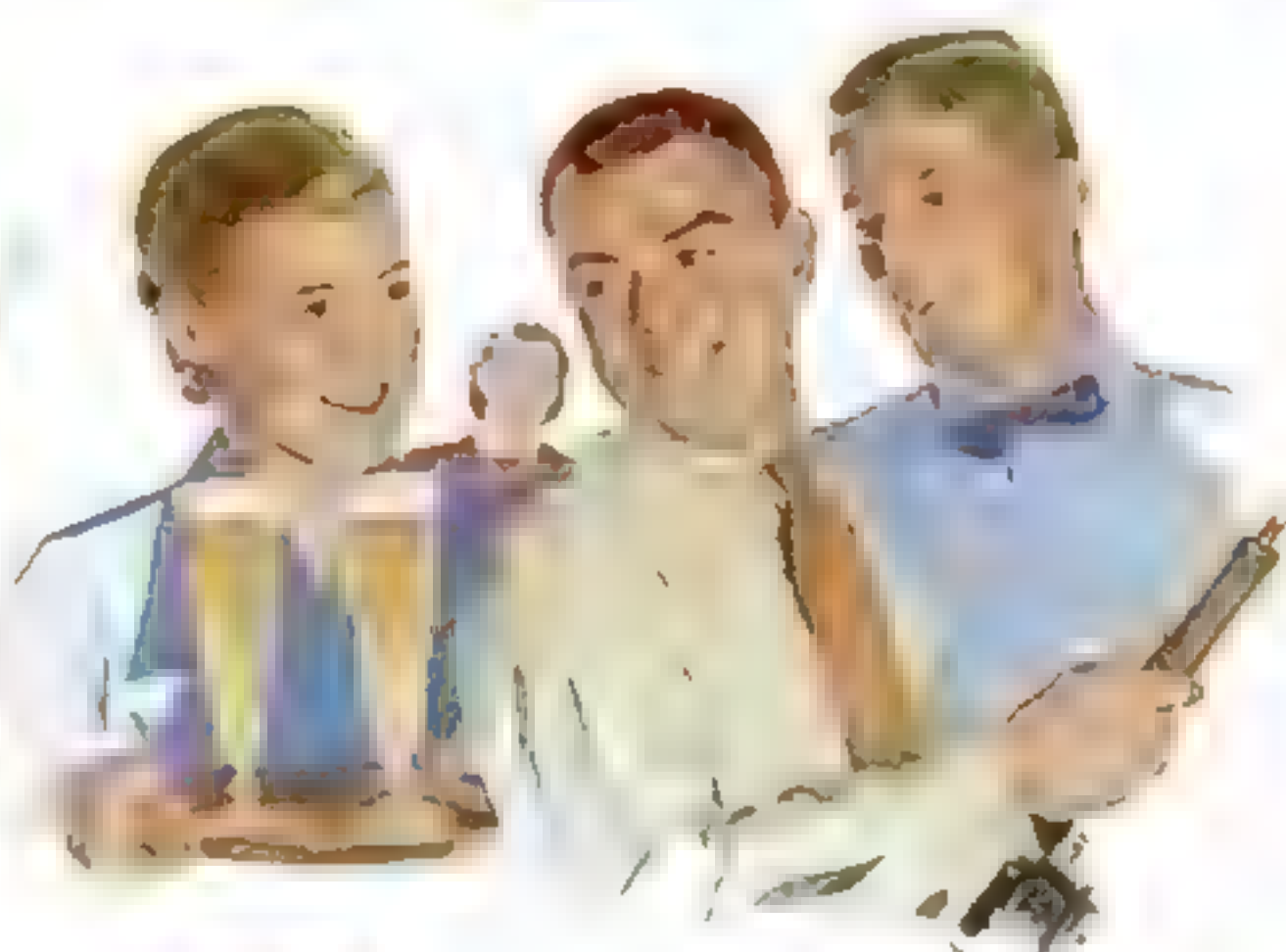
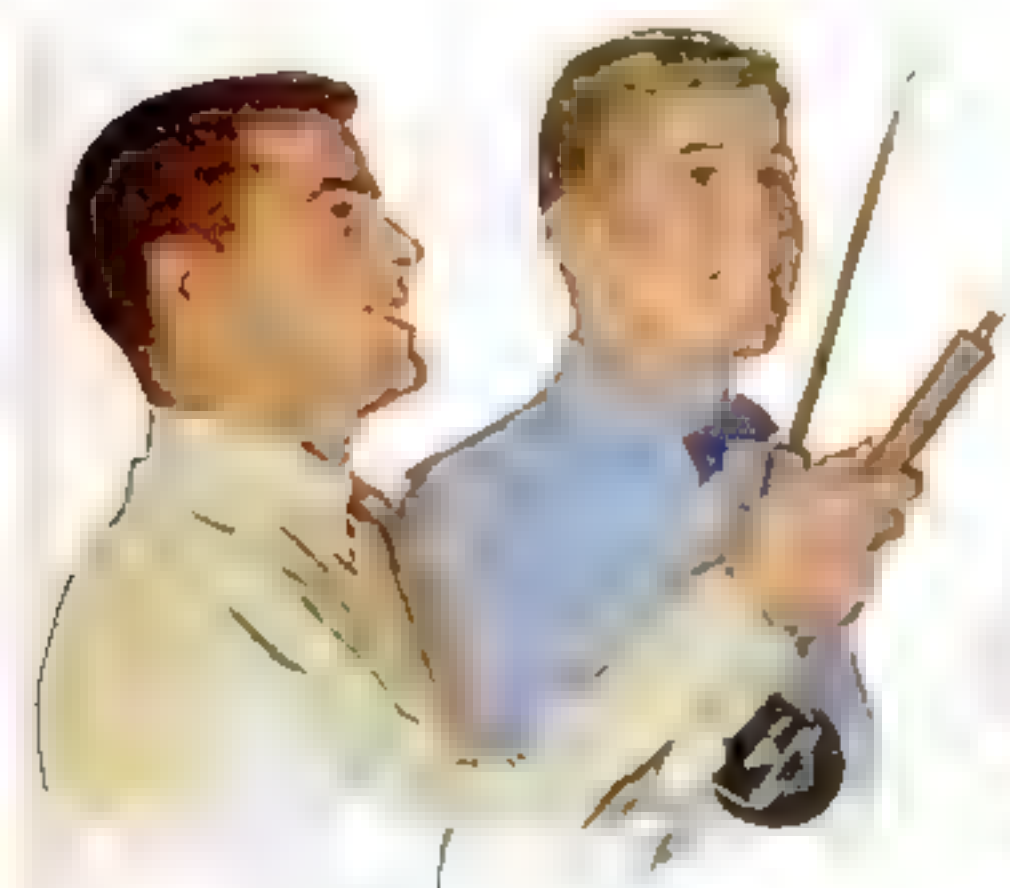
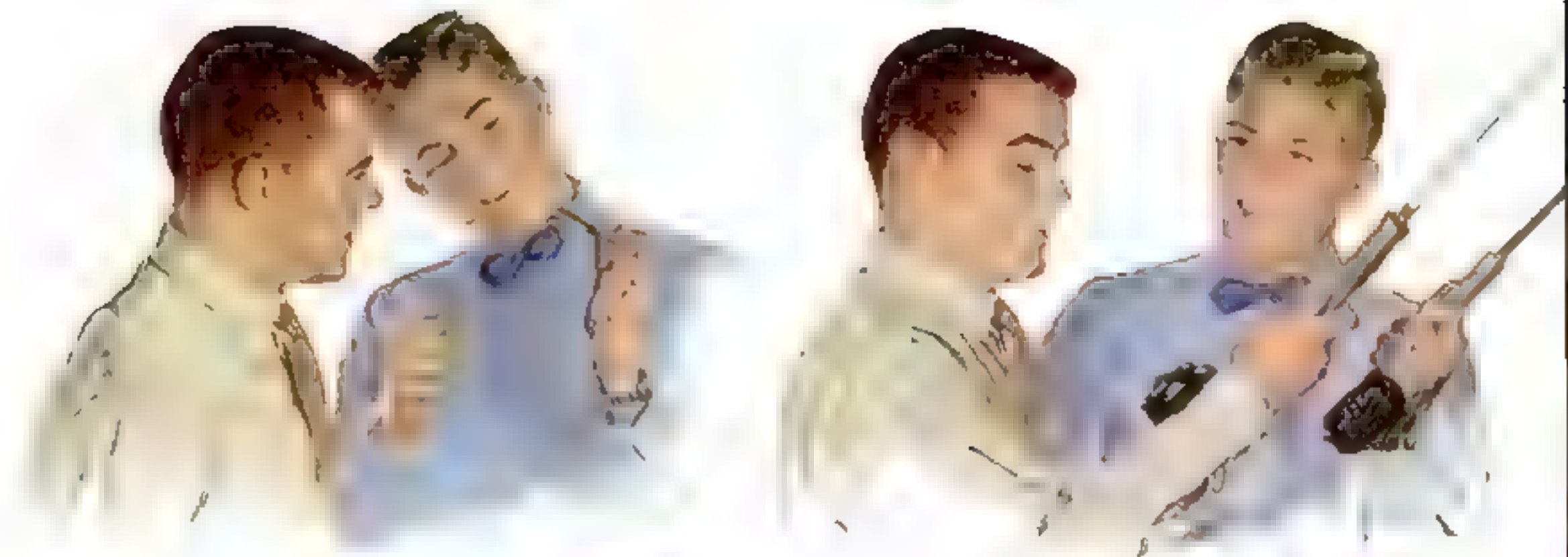
your house and for indoor and outdoor furniture. Even boiling hot water won't mar its lovely finish. No undercoater needed. One coat covers most surfaces. Dries in 3 to 4 hours. Color-matched to SUPER KEM-TONE.

SUPER KEM-TONE, KEM-GLO AND KEM-TONE ARE SOLD AT LEADING PAINT, HARDWARE, LUMBER AND DEPARTMENT STORES EVERYWHERE

"First Catch of the Season,"

by
Douglass Crockwell

Number 80 in the series "Home Life in America"



In this friendly, freedom-loving land of ours—Beer belongs... enjoy it!

BEER AND ALE—AMERICA'S BEVERAGES OF MODERATION
Sponsored by the United States Brewers Foundation... Chartered 1862



DROPS OF WATER spin from head of Ohio State's Morley Shapiro as he revolves backward in a painer one-and-a-half tuck in championship tourney.

OHIO STATE FLIES HIGH IN THE DIVE

It wins the highest number of individual titles but Yale takes the intercollegiate team championship

As they waited for the 1953 National Collegiate swimming championships to begin, Ohio State's talented divers warmed up in ingenious fashion. In a room above the pool at Ohio State they bounced through backflips and somersaults on a trampoline borrowed from the tumbling team. When the time came to perform, their muscles were looser and their minds

easier than those of 24 opponents who sat it out in locker rooms. As a result Ohio State swept the top three places in the low-board event and finished one-two in the high-board.

By one means or another Ohio State has been dominating diving for almost 20 years. Its swimming coach is Mike Peppe, an ex-acrobat who jokes about "divers being swimmers with

their brains knocked out," but disproves the gag by the boys he trains. His divers and swimmers train separately, but when both groups got together to elect their leaders, they chose Bob Clotworthy, a diver, as co-captain. With his divers in form, Peppe saw his boys win six of 14 events and twice as many gold medals as Yale, which won the team championships.





See how simple and easy it is to apply food and drink to lawns merely by sprinkling or spraying with a solution of Folium—Monsanto's new balanced plant food. Also feeds shrubs, flowers, vegetables, small fruits, shade trees.

SPRINKLE FOOD AND DRINK ON LAWNS THIS NEW, EASY WAY

If you have ever gone through the discouraging experience of having your lawn dry up and burn out just about the time you thought it would become a beautiful, soft, green carpet—DON'T DO IT AGAIN!

There's a new easy-to-use plant food now available that amply provides BOTH food and drink for lawns, flowers, vegetables, small fruits, shade trees, house plants. It's Monsanto's new product, Folium. You just sprinkle or spray it on. *That's all!* Folium is a balanced plant food. It is free-flowing and noncaking—dissolves quickly and thoroughly in plain water—makes a clear solution that will not burn grass, tender leaf areas or delicate plants.

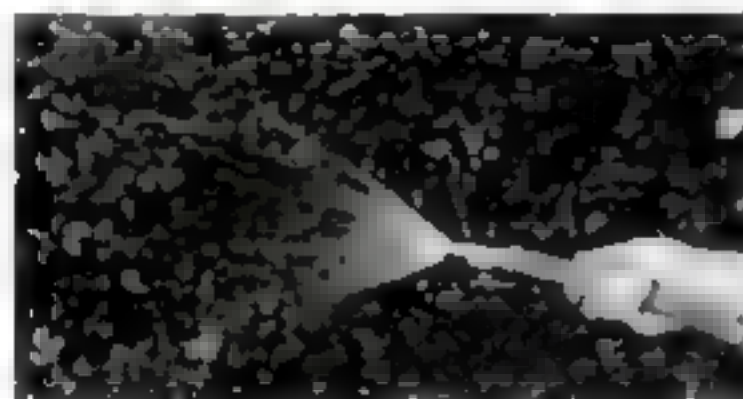
Convenience is a big feature about using Folium. Merely sprinkle it on small areas, using an ordinary sprinkling can—spray it on large areas, shrubs, trees, using a siphon hose attachment. In either case, Folium is quickly absorbed whether applied to leaves, stems or roots.

This year, use Folium! Remember, it's food and drink for every blade of grass and every leaf you contact. Naturally, this gives you a better, richer lawn; improves health and growth of plants, shrubs, flowers and trees. It's very economical. Get it at your dealer's—in 2-oz., 1-lb. and 5-lb. packages . . . MONSANTO CHEMICAL COMPANY, Merchandising Division, 1700 South Second Street, St. Louis 4, Missouri.

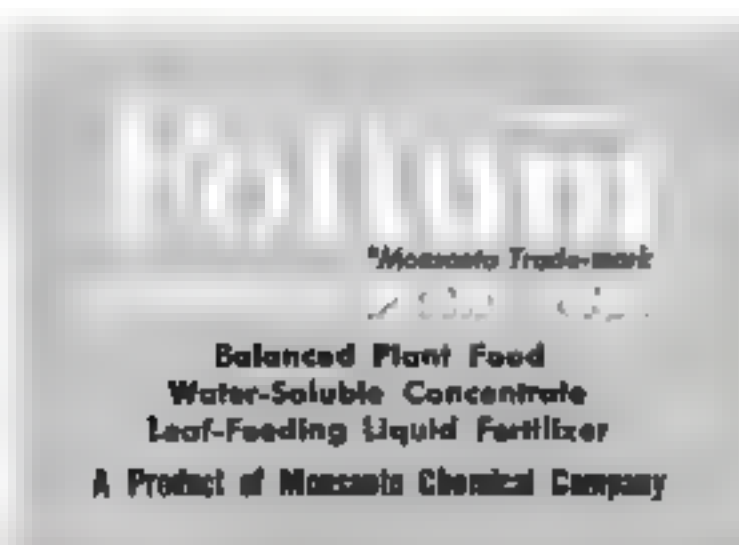
Folium. Monsanto Trade-mark



Sprinkle it on



Spray it on



OHIO STATE'S CO-CAPTAIN, Bob Clotworthy, clutches hands in mirror as he does gainer one-and-a-half layout. He won the three-meter title.

Continued on page 141

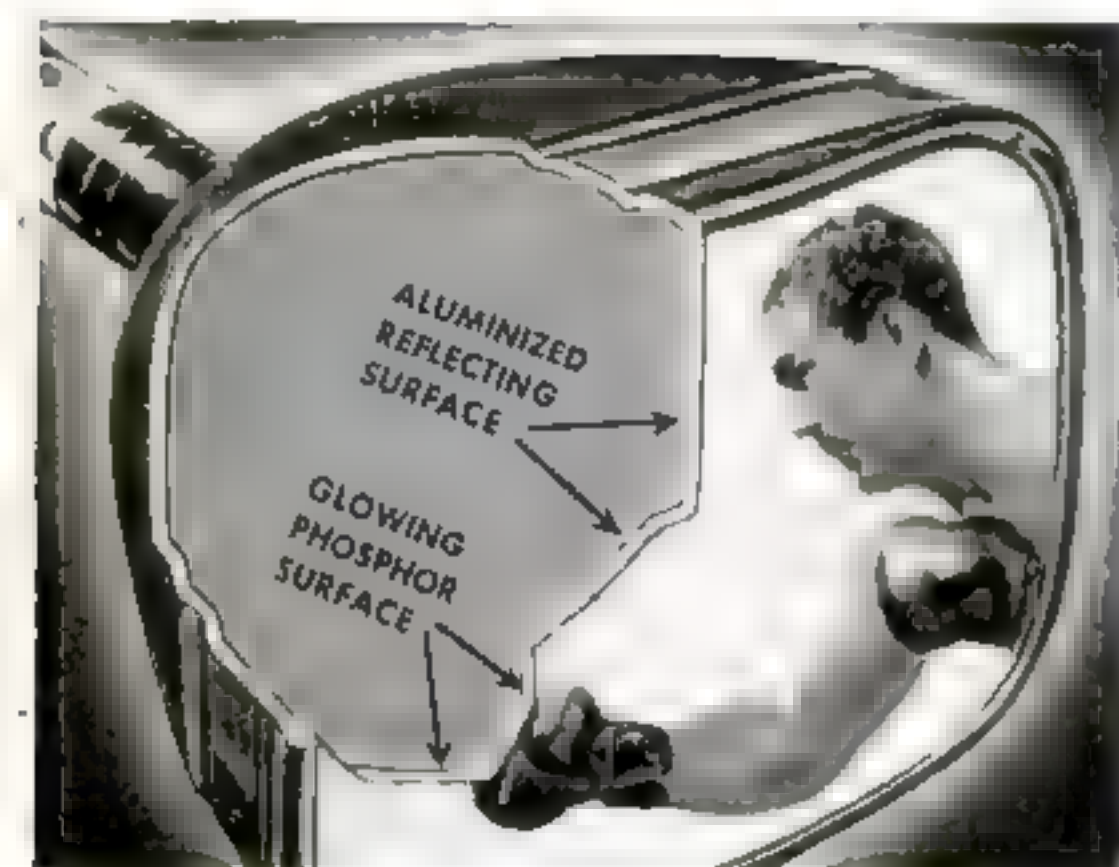
PUT NEW SOCK IN YOUR OLD TV PICTURE!

NEW TUBE DOES THE TRICK

● Take your old TV set—have a G-E Aluminized Tube put into it—and you'll get a picture that knocks eyestrain for a loop! As one viewer puts it, "the picture I get now is so real I wince with every wallop!" Actually, the G-E Aluminized Tube makes your set *better than new*. Picture contrast is terrific . . . blacker blacks, whiter whites, vivid realism. You enjoy TV's greatest eye-ease under any lighting conditions. Call the serviceman who handles General Electric tubes for this quick, economical change-over.



G-E ALUMINIZED TUBE



● Ordinary non-aluminized tubes simply don't have enough brightness for sharp picture contrast. Much of the light shines back into the tube, degrades picture quality. G-E Aluminized Tubes mirror light toward you, increase brightness up to 100%. Result: unmatched contrast, wonderful, eye-easy realism. Have your serviceman make your old set *better than new* with a G-E Aluminized Tube—backed by a one-year registered factory warranty. Tube Department, General Electric Company, Schenectady 5, New York.

ROCKY MARCIANO
Heavyweight Champion of the World



You can put your confidence in—

GENERAL  **ELECTRIC**

148-142

I've never had a loss...

**What has
insurance
done for
me?**



Though you have never suffered a loss, your insurance premium buys many things you would not wish to be without.

One is protection against misfortune—the building that *did not* burn; the elevator that *did not* drop; the boiler that *did not* explode; the dangerous manufacturing process made safe for workers; the accidents at a bad intersection that were prevented; the wiring or appliances that did not fail and destroy your home.

These and myriad other mishaps in which you or yours might have been involved, did not happen because the untiring vigilance of insurance inspectors and engineers prevented them.

Added to this, the greatest payment insurance makes to you is freedom from worry—a feeling of security—peace of mind!



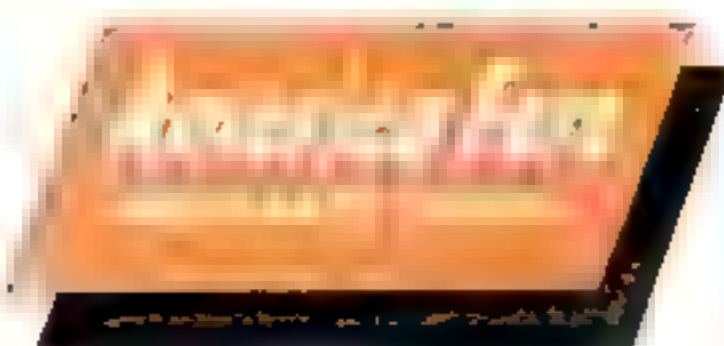
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INSURANCE COMPANY

100 YEARS

1953 marks 100 years of proven insurance protection by two America Fore Companies, The Continental and the Fidelity-Phenix.

For the name of a nearby America Fore Insurance Man, call Western Union by number, ask for Operator 25.

FIDELITY-PHENIX
FIRE INSURANCE COMPANY



★ The Continental Insurance Company ★ Fidelity-Phenix Fire Insurance Company
★ Niagara Fire Insurance Company ★ American Eagle Fire Insurance Company
★ The Fidelity and Casualty Company of New York

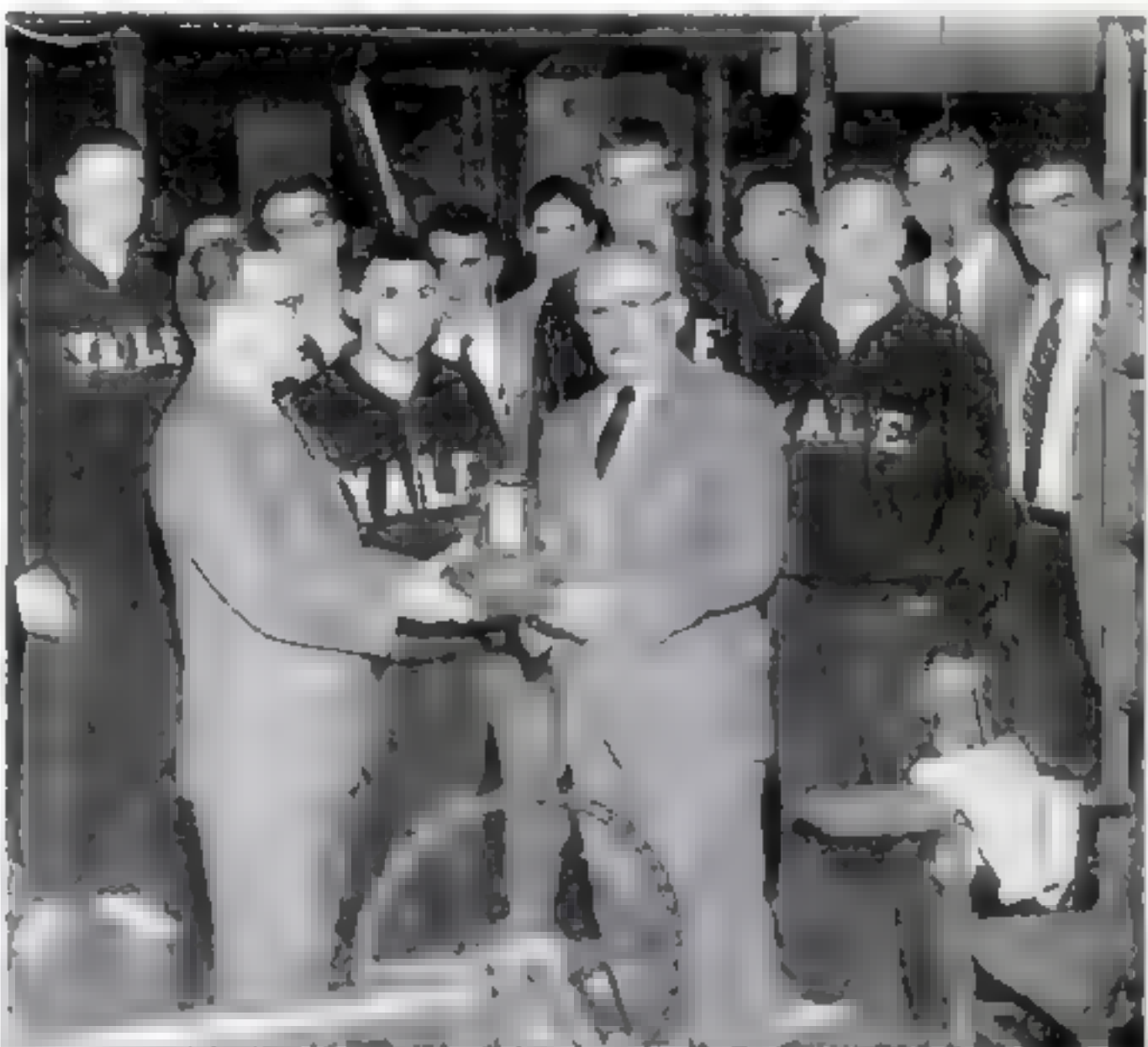
Ohio State CONTINUED



CLOSEST RIVALS in meet were Ohio State's Yoshi Oyakawa (*left*) and Yale's Dick Thoman. Here they start 200-yard backstroke. Oyakawa won.

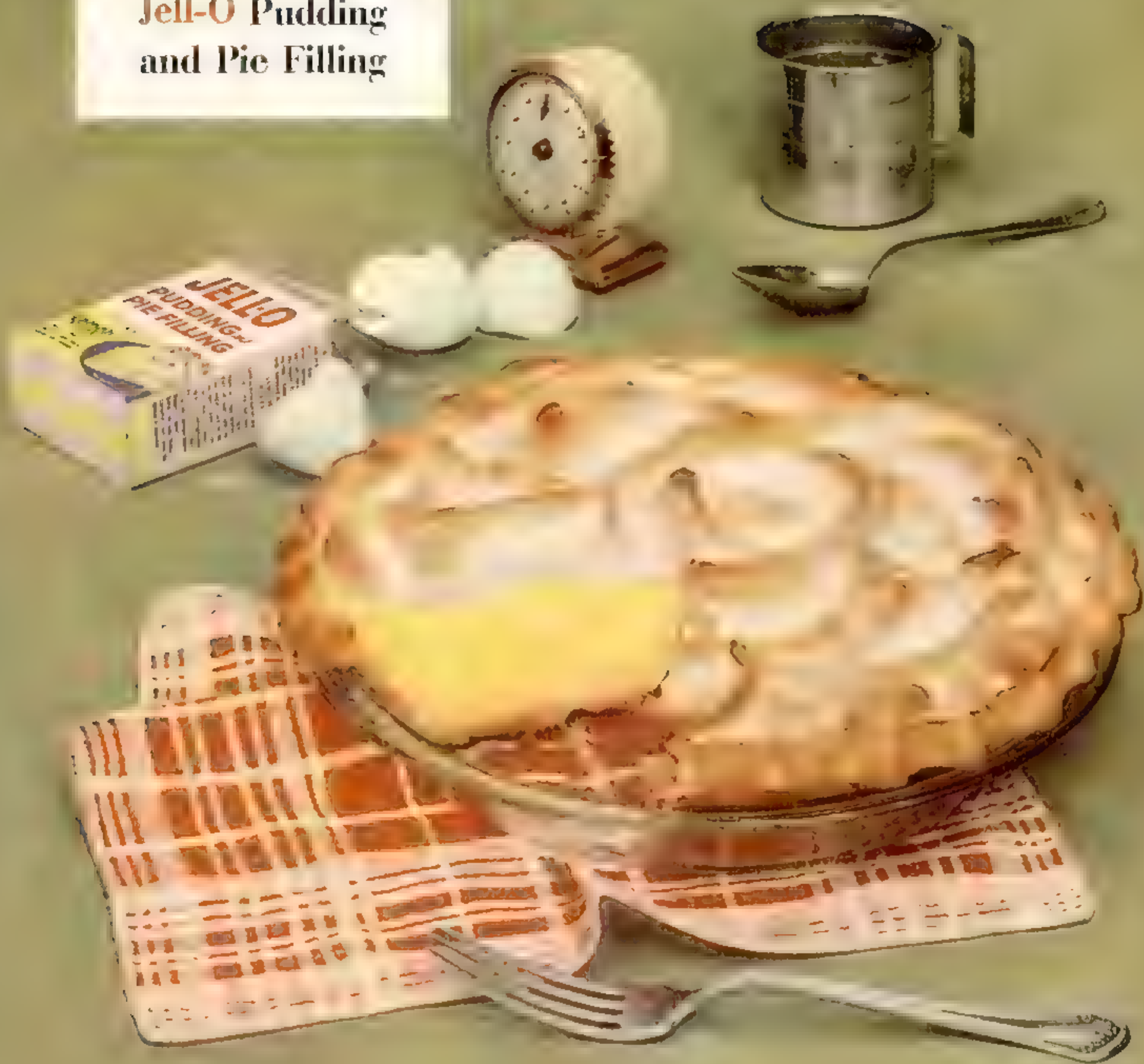


MEETING AGAIN in the 100 yard backstroke, Oyakawa (*left*) gets on Thoman after trailing. He won again, setting new meet records in both events.



WINNING ON POINTS, despite Ohio State's six firsts, Yale's Coach Bob Kipnuth (*right*) accepts team trophy. Yale got 96½ points to O.S.U.'s 73½.

Jell-O Pudding and Pie Filling



You can make this perfect pie crust every time with Spry's "Water-Whip" Method. Made in minutes, it's the easiest, best-tasting crust ever. (Recipe on every Spry label.)



Let us buy you the filling! Look for special, yellow-banded Spry with the label coupon good for a package of JELL-O Pudding and Pie Filling free of extra cost.

PERFECT PIES IN HALF THE TIME!

1. Costs mere pennies to fill an 8-inch pie shell!
2. Takes about 15 minutes to equal grandma's best pie filling!
3. Double-feature wonders! Every package of Jell-O Pudding and Pie Filling makes the best pie filling or pudding that ever was! Keep all 5 flavors handy.



JELL-O IS A REGISTERED TRADE-MARK OF GENERAL FOODS CORP.

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Now—

THE BEST TIRE NEWS in half a century!

No more stunning event has been recorded than this lifetime wedding of the great new U.S. Royal LIFEWALL with the world's foremost safety tire, the famous U.S. Royal Master.

All Tire Safety—Now All in One

This newest U.S. Royal advancement goes to the core of the safety problem—giving, for the first time, genuine blowout prevention, along with extreme tread depth, stopping power, skid protection and life protection.

Doubles the Strength of Tires

LIFEWALL with exclusive Butyl-Nylon construction is by far the finest air-container ever developed. It doubles the strength of tires, greatly increases tire life and mileage, outlaws and banishes blowout possibilities.

A True Success Story

The demand for LIFEWALL U.S. Royal Tires now breaks all records... proves the great need being supplied... crowns this superb safety achievement with brilliant success!

A New Safety in your life !

WALL

ROYAL TIRES

All in One!

Blowout Prevention!
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U N I T E D S T A T E S R U B B E R C O M P A N Y



ROYAL HORSE GUARDS on parade. Britain's traditional pageantry takes on added importance in this Coronation Year.

CORONATION FEVER!

Early visitors share the excitement sweeping through Britain this year

All of Britain has come down with a glorious case of Coronation Fever—and it's spreading right across the Atlantic.

There's a special thrill in seeing the fabulous Crown Jewels in the Tower of London, knowing that on June 2 they will grace the person of Elizabeth the Queen. There's a wonderful extra in standing before Westminster Abbey, the Coronation setting . . . in watching the Changing of the Guard at Buckingham Palace, in visiting Windsor Castle. There's an undeniable splendor added to the traditional pomp and circumstance in these pre-Coronation months.

You feel the mounting excitement in every English shire and town. You can hear it in the rich harmony of a Welsh choir, in the skirl of Scottish bagpipes. You can sense it in traditional dances at country fairs in Northern Ireland.

This is the time to catch the real spirit of Britain—to travel as you please in maximum comfort and at minimum cost. And you can see all the delights of England, Scotland, Wales and Northern Ireland for as little as \$11 a day. This does not include trans-Atlantic transportation, but it does include a car to take you around. So why not come to Britain in Coronation Year? For further information and free literature, see your Travel Agent or write: **British Travel Association, Box 110, 336 Madison Ave., New York 17.**

TIME OUT for a sea story on the quay at Carrickfergus Castle in Northern Ireland. It's an easy journey from London!



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AMERICAN VISITORS to romantic Scotland are captivated by colorful spectacles like this Highland Fling near Edinburgh. There's so much to see and do—and what bargains in tartans, tweeds and cashmeres!



CHAMPION CRICKETERS play in the shadow of the historic Cathedral at Worcester. Coronation Year visitors marvel at the wide range of sporting events, enjoy Britain's choice shooting, fishing, golf and tennis.

Advertisement



TAKING INVENTORY OF HIS ASSETS, JAMES ELLIOTT LOOKS OVER A CONFEDERATE \$100 BILL. BEHIND HIM IS A PORTRAIT OF PRESIDENT JEFFERSON DAVIS

HE'S GOT PLENTY OF NOTHING

An Atlanta appraiser collects Civil War currency in the hope of becoming a Confederate millionaire

Since 1932 James Elliott of Atlanta, Ga. has been collecting Confederate money like mad, hoping some day to be a millionaire, Confederate style at least. As an appraiser of antiques he has more than the usual opportunities to run across the old specie stashed away in attics and basements. To acquire it Elliott will work for it, trade it and even pay good Yankee money for it. Today once again Confederate currency has value, though only as a collector's item, and Elliott will give as much as \$2 American for certain \$1 Confederate bills. No one knows for sure how

much Confederate money ever was or still is in existence, but Confederate records show at least \$1.5 billion was issued up to 1864. After that it's anybody's guess; at the end the Confederate presses were grinding it out in a head-chase-tail inflation. After Appomattox the currency became as worthless as the fallen leaves and in many homes it was used as wallpaper. Last month, at the age of 60, Collector Elliott counted up his Confederate currency for the first time. It came to only \$120,357, but Elliott figures he has a good start toward the million and plenty of time to go.

Oh, what a Wonderful Feeling...



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To wake up full of bounce



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with an **RCA Room Air Conditioner**

No more "scorching torture" for you! Enjoy relief from heat, humidity, pollen and dust. Just "tune in" perfect weather on your RCA Room Air Conditioner. You'll sleep... even on muggiest nights. You'll breathe air clear as you find on a mountain top. And since this vastly improved Air Conditioner comes from RCA, it's naturally the very finest. So

be sure to get these exclusive RCA advantages... RCA "Heart-of-Cold" Compressor • Directional grille • Easy operating Climate Tuner • Beautiful design • 5-Year Warranty on entire hermetically sealed cooling system • RCA Service Company's optional low-cost contract for installation and service by RCA's own technicians.

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RADIO CORPORATION OF AMERICA
IN CANADA, RCA VICTOR COMPANY, LTD., MONTREAL



TRADE MARK

Plenty of Nothing CONTINUED



PROMOTING A SWAP to increase his holdings, Elliott offers to trade an old rifle to John West for some Confederate money. The deal fell through.



PAID OFF, Elliott receives \$685 in Confederate bills from Miller Bell as his fee for appraising family antiques in the Bell home at Milledgeville, Ga.



READY TO PAY OUT for C.S.A. currency, Elliott watches his son Jim and Mrs. Thomas Connally work loose two bills from portrait of an ancestor.

CONTINUED ON PAGE 150



19-YEAR-OLD Christopher Phillips has lived most of her life in Arabia, is on her way to Indonesia to teach English. She wears junior-sized Sacony suit with spreading collar, diagonal pockets.



DECORATOR Eleanor Johnstone (Countess Von Etzdorf), whose husband is in diplomatic service, collects rare birds, fine paintings and beautiful jewelry—like gold and diamond "ribbon and lace" pin she wears here. Her suit is best selling Sacony dressmaker style, knowingly shaped and tailored in the softer, gentler mood

SACONY SUITS AMERICA

**\$25 suits of Palm Beach* cloth
fit all sizes, tastes and types**

Sacony believes there is no such thing as a "suit type." Any woman can wear a suit, they say, providing she has enough variety to choose from. The wide scope of Sacony suit styles on this page bears out this point of view. So do the women wearing them—ranging, as they do, from a slim young secretary to a sophisticated countess. Though the styles differ, each of these suits is made in the same fabric—Palm Beach

cloth, a worsted like blend of rayon, acetate and wool that tailors superbly, washes as well as it dry cleans, can be worn twelve months a year. And every suit carries the same low \$25 price tag. Stores throughout the country have these and other Sacony styles in misses, women's, petite and junior sizes. (Varied size ranges save alterations.) Write Sacony, College Point 56, Long Island, N. Y. for the stores nearest you.



SACONY SUIT with square-cut bolero is worn by Nancy Pike Talbert whose tennis champion husband, Bill Talbert, can entice her to the courts only as a spectator. Note deep pockets hidden in skirt.

*Palm Beach trademark registered by Goodall Sanford, Inc.

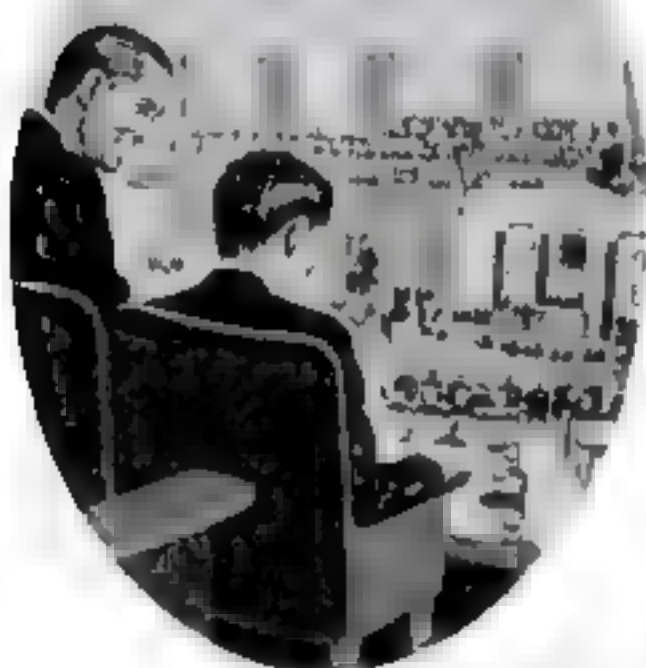


PRETTY BLONDE Ruth Swanson, suit buyer at Hutzler's department store in Baltimore, wears Sacony suit with interesting flange detail. Says it's a "good traveler" for frequent New York market trips.



SACONY one-button suit with long, beautifully shaped revers is worn by Jeanne Moughan, efficient young secretary in the personnel department at Lever House, New York City. Suit costs low \$25.

ADVERTISEMENT: copyrighted by Sacony



With its numerous historic shrines and fascinating exhibits, our beautiful capital on the Potomac is always a thrilling place to visit. This year, a new administration and the tremendous

problems of global affairs create an atmosphere sure to add extra interest to a Washington trip.

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Plenty of Nothing CONTINUED



CONFUSING CONFEDERATE CURRENCY from Elliott's collection shows variety of bills in denominations from 5¢ to \$500 issued not only by central government at Richmond but by states, cities, private banks and even railroads and individuals. The 50¢ note of the Georgia Railroad Bank Agency is still honored in full in American money by the bank which issued it. Confederate counterfeits, like the bill at bottom, were issued and put into circulation in the South by the U.S. government in large quantities to aggravate the Confederacy's inflation and speed the rebel states' collapse.



Outstanding for Excellence

Time comes alive in this 18th century masterpiece of the watchmaker's art. The dial-face, delicately tooled in tinted goldwork, shows an Alpine cooper's yard in charming miniature. The little workmen actually do their tasks automatically. A fountain appears to flow, a tiny fire seems to burn in a brazier! The agate, gold, and iron fob chain once belonged to Frederick the Great. This superb watch is the finest specimen of its kind in existence—truly outstanding for excellence!



OUTSTANDING among the fine whiskies of the world, Hunter has been unsurpassed for 93 years. Superbly smooth and magnificently flavorful, no finer whiskey has ever passed your lips.

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Come on down and pick out your favorites

Del Monte *Spring*

BRAND

It's time to pack your pantry with flavor — and grocers everywhere are ready to help you with colorful displays of luscious fruits, tempting vegetables, refreshing juices, dried fruits, too. You'll find them all at the DEL MONTE Spring Garden Show, under the label you know means *flavor first*. So watch for the signs — and hurry down for the shopping fun!

Don't miss any of the "flavor-first" foods in the DEL MONTE Line — good eating, every one of them!

You'll find all these big flavor values specially featured. Take home plenty for real economy.



Garden Show



It's a long time 'til summer. So enjoy all this grand fruit and vegetable variety now.

at Grocers
NOW!
APR. 9 TO MAY 9



Not a shadow of a doubt with Kotex

Absorbency that doesn't fail—Kotex gives you the trustworthy kind of protection you *need*. And you get trustworthy *softness*, too, for Kotex is made to stay soft while wearing.

Holds its shape—without twisting, roping or pulling. That's why this napkin retains its fit and comfort for hours.

No revealing outlines—because only Kotex of all leading brands has flat, pressed ends. Another important reason why Kotex is America's first choice in napkins. Select the absorbency best for you: so *very personally yours*.

Not a shadow of a doubt—this summer can be cool and casual in *Joet Walker's* carefree blue denim; with ice-white grippers, matching saddle-stitch trim. A streak of white cinches the waist.



Regular Kotex in the Blue Box

Junior Kotex in the Green Box

Super Kotex in the Brown Box

More women choose Kotex than all other sanitary napkins*



SPOILED YOUNG NOBILMAN (RODDY MACDOWALL) THROWS TANTRUM ON A BEAR RUG WHILE HIS FIANCEE AND HER MOTHER DO THEIR BEST TO COMFORT HIM

Shaw Slapstick Cheers Broadway

The best laughs on Broadway are being provoked this season by a little-known, 13-year-old play of George Bernard Shaw called *Misalliance*. Written in 1909-10, it has never been played much because producers felt it was too talky. Talky indeed it is: "nothing but talk, talk, talk," as one of the characters says, but almost all of it brilliant. The talk takes off from the ostensible theme of the play, which is the projected marriage between a lord's son and an underwear manufacturer's daughter, and goes on to cover parenthood, socialism, sex, British hypocrisy, masculine hypocrisy,

popular literature and what duchesses think about modern plumbing. So far this is standard Shaw fare: the unusual thing about *Misalliance* is that when the talk lags, slapstick takes over: an assassin hides in a Turkish bath, a Polish lady acrobat picks up a spoiled lordling by the seat of his pants. Reigning as master of ceremonies is the underwear manufacturer, who keeps urging his auditors to read Ibsen, the Bible, Chesterton, Tennyson and sometimes "whatshisname," meaning George Bernard Shaw—which most people seeing the play will consider very good advice.



LADY ACROBAT (Tamara Geva) is introduced not so much to advance the plot as to keep it in turmoil. She arrives when airplane crashes into under-

wear manufacturer's greenhouse, is at first taken for a man (left). When her identity is established as a woman, two thirds of the men in the house make



love to her. She flies off in a huff but not before she has disarmed a potential assassin (right) and saved the manufacturer (Barry Jones, in dressing gown).

PROCTOR \$-SAVER SPECIAL!



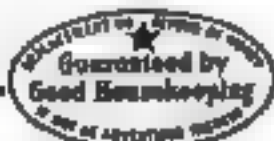
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'MISALLIANCE' CONTINUED



WAR OF THE MEN AND THE WOMEN is treated in *Misalliance*, nota-
bly in romance between manufacturer's daughter (Jan Farran D.) and an aviator
(Richard Kiley). First (above) she takes off after him, chases him through the
gardens, until finally (below) he agrees to marry her for her father's money.





FLUFFY, WELL-LAUNDERED BLANKETS ARE THE MARK OF A PROUD HOUSEWIFE. NO PRODUCT DOES A BETTER JOB ON BLANKETS THAN RINSO WITH SOLIUM.

HOW TO WASH BLANKETS WITHOUT SHRINKING

By Eleanor B. Cook, former Associate Editor of McCall's

They're very easy to launder and care for particularly if you wash them with Rinso.

The advantages of Rinso soap are spectacularly revealed in washing blankets. If you follow the instructions on this page, your blankets will have that soft, downy feel that a new blanket has. That all blankets should have, no matter how many times you wash them.

Chemical detergents do a good job in some fields, such as dishwashing, but most of the housewives I know just plain don't like the tough, wiry texture that blankets take on after a detergent washing.

Lever Brothers scientists can also prove that Rinso gets out more dirt than any chemical detergent. And the white items in your wash will actually look whiter than new after a Rinso washing. You can thank the SOLIUM in Rinso for this blessing.

Last but not least, you pay about 20% less for Rinso than for most detergents. Of course, Rinso is unconditionally guaranteed by Lever Brothers Company, 390 Park Avenue, New York 22, N. Y.



TO SHORTEN washing time, give stains and soiled areas such as bindings special treatment *before* washing. Brush a rich mixture of Rinso soap and warm water into the soiled areas with a soft brush or your fingertips.



THEN SOAK the blanket for ten minutes in lukewarm (100° F.) Rinso suds right in your washer. Use plenty of Rinso, as woollens soak up a lot of suds. Then, run the machine just long enough to shake loosened dirt out of the blanket. Thirty seconds to one minute is plenty. Don't forget, it is agitation while a blanket is

wet that causes shrinking and felting. Now drain off wash water and give blanket two deep rinses of not more than one minute each in fresh, lukewarm water. If your washer has a wringer, use it at the lowest pressure to extract water from blanket. If your washer spins water out, three minutes should be plenty.



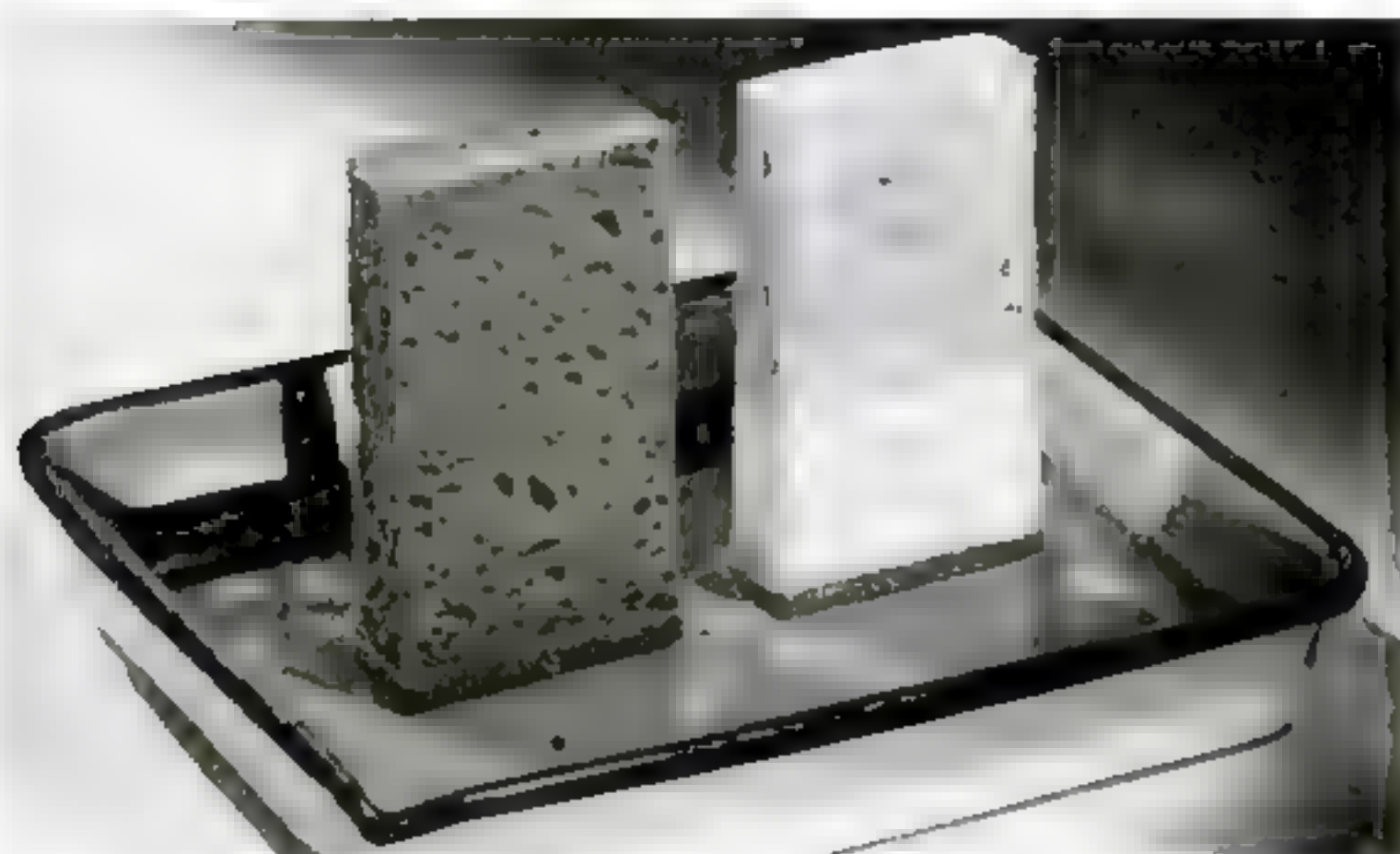
PULL BLANKET gently into shape and hang to dry in warm, well-ventilated spot. Use a double line for quicker drying and to avoid stretching. If you have a dryer, pre-heat dryer with six large, clean, dry Turkish towels in it. Add blanket and dry for not more than 15 minutes. Feel it frequently and remove while still damp.



BRUSH damp blanket vigorously on both sides with a stiff-bristle or wire brush. This fluffs up the nap and helps bring the blanket back to size. Final touch for your soft, downy, Rinso-clean blanket is to press the bindings. Use a steam iron or dampen bindings lightly and press with warm electric iron (rayon setting).

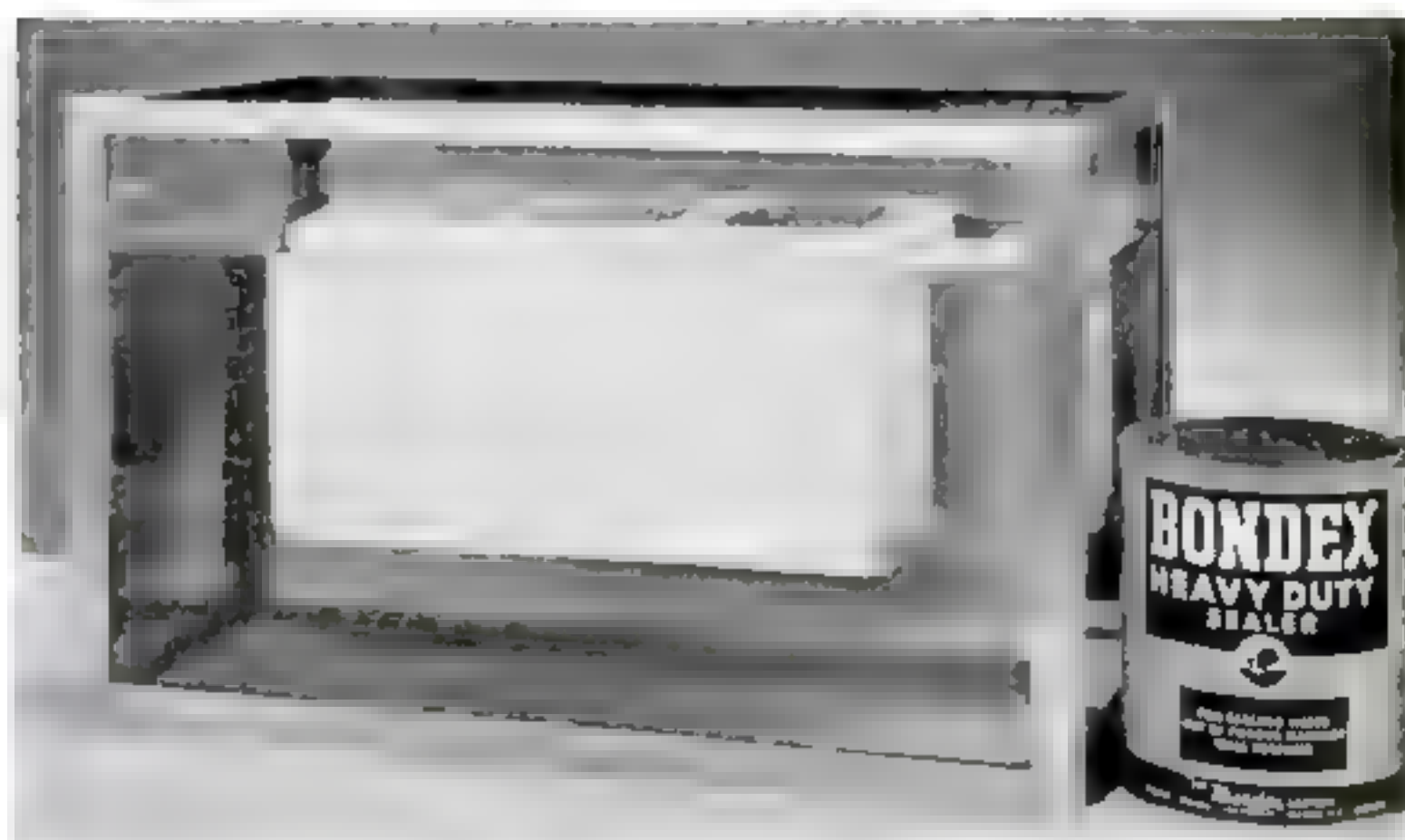
New formula ends wet walls

After seven years of research BONDEX develops amazing DOUBLE Waterproofed* principle!



EVEN A SPONGE CAN'T DRAW WATER through the tough, dense coat of amazing new Bondex Heavy Duty. Photo shows two identical sponges. Unprotected one, at left, was saturated within seconds. Coated sponge remains dry, indefinitely.

If you're one of the millions who are plagued with wet, damp basement walls, here's big news! The same company that originated Bondex has now developed a revolutionary new *double waterproofed** formula for making its moisture control coatings. The discovery came after seven years of research when Reardon scientists were working on amazing Bondex Heavy Duty, a new thick "aggregate" coater! This product was being developed for *serious* wet basement problems. In addition, it was the answer to a growing demand for a thick protective *exterior* coating for concrete and cinder block buildings. The double waterproofed* formula these men developed was so successful that it is now being used in making *both* Bondex Heavy Duty and regular Bondex cement paint. Now homeowners have two types of Bondex for basements: Heavy Duty for excessive moisture conditions; regular Bondex for ordinary dampness control. Both are exceptional for protecting and decorating

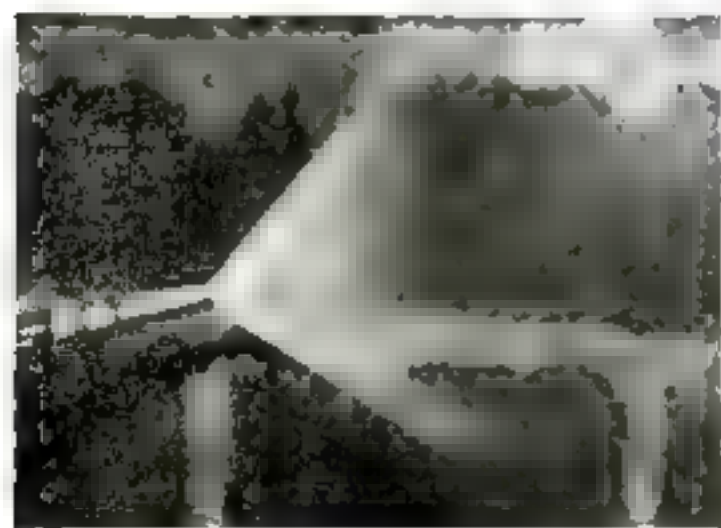


TWENTY-THREE POUND CONCRETE BLOCK FLOATS IN WATER when coated with new Bondex Heavy Duty. Laboratory photo demonstrates its complete sealing properties. Its thick-layer coat withstood severe water pressures in other lab tests.

outside walls, too. Photos and chart on opposite page show you which type to use for your particular project. They're easy to use; anyone can do an effective, professional-like job and save money. Here's why:

*Bondex is "double waterproofed" to insure the best possible protection against the penetration of water. This involves two steps. **FIRST:** Before the bonding agents, which penetrate deeply into pores of the surface, are incorporated into the finished product, they are treated with a special waterproofer which coats *each tiny particle*. **SECOND:** Additional waterproofing agents, along with other ingredients, are then carefully milled with the bonding agents under strict laboratory control to produce a product of the highest quality. As a result Bondex Heavy Duty is highly effective when water penetration is excessively heavy. The same formula makes regular Bondex cement paint better than ever for its uses. Photos below show how it works.

Here's how both types of new Bondex penetrate, "anchor" to masonry, actually become part of the wall itself!



1—WETTING IS SECRET TO PENETRATION
A fine spray of water prepares wall so "active" particles in Bondex can penetrate, be drawn into pores of wall.



2—MIXING "ACTIVATES" EVERY PARTICLE
Comes in powder form; simply mix with water. Within fifteen minutes, complete "activation" takes place. Brush on.



3—HERE'S HOW IT BECOMES PART OF WALL
Cutaway view shows how Bondex enters pores, penetrates hydraulically, then sets—stronger than the wall itself.



4—THICK COAT RESURFACES COMPLETELY
Inside or out, two coats of Heavy Duty smooth out rough masonry walls, gives them a "finished" appearance.

Use Bondex Heavy Duty for extremely wet basements; ideal as exterior coating for concrete block buildings!



USE BONDEX HEAVY DUTY FOR SERIOUS WET BASEMENT PROBLEMS. When you apply it you'll understand why so many architects and engineers specify it for tough jobs. This "aggregate" coater adds an extra strong, dense layer of protective material to walls, yet brushes to a smooth white finish. If you have water flowing through cracks or leaks, use Reardon's "Quick Plug." Stops leaks completely in 5 minutes!

USE BONDEX HEAVY DUTY ON ANY POROUS MASONRY SURFACE...INSIDE OR OUT...ABOVE OR BELOW GROUND!

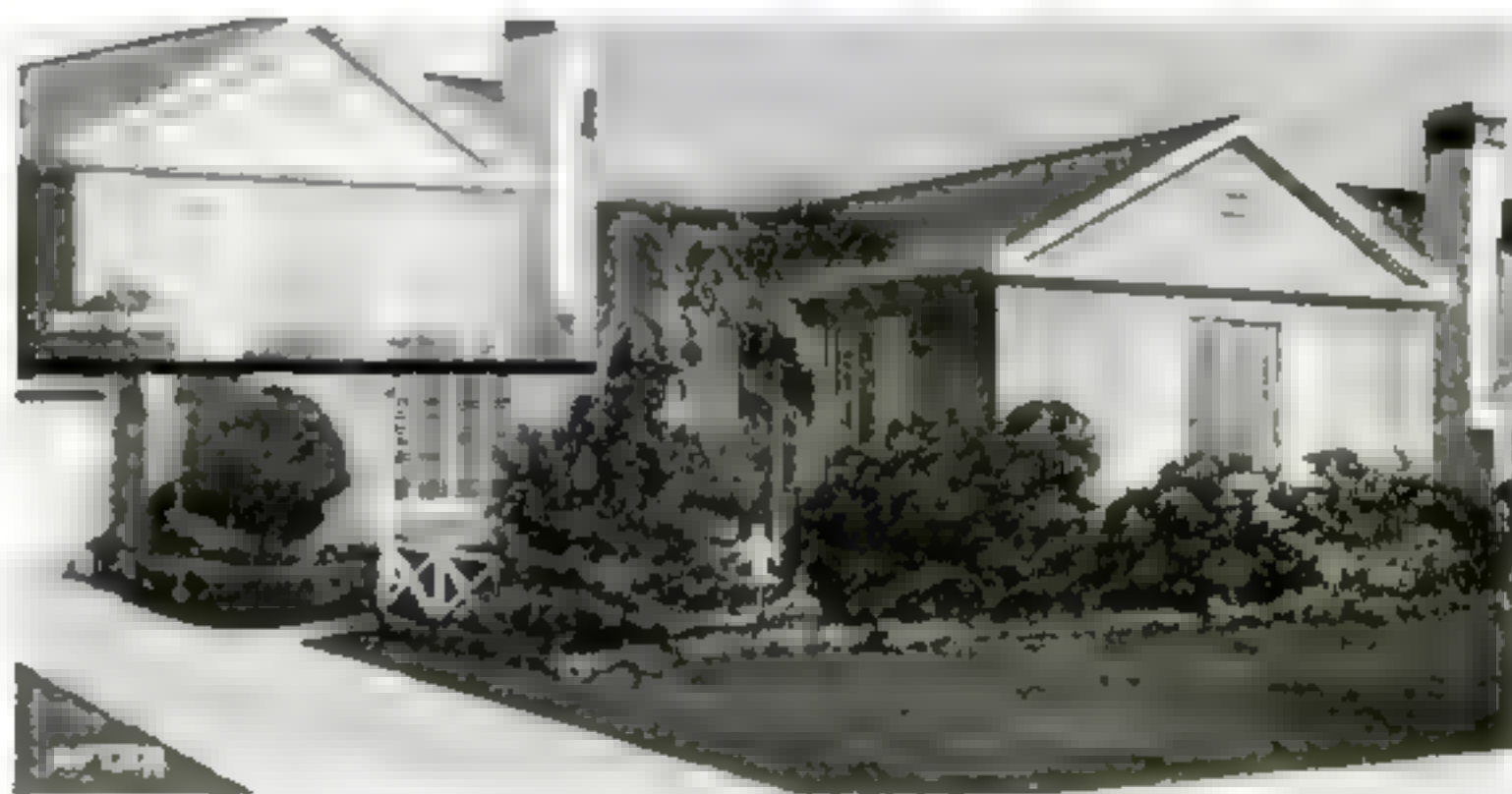


AS EXTERIOR COATING FOR CONCRETE AND CINDER BLOCK BUILDINGS it beautifies, protects and improves property value. Photos show how a low cost, concrete block building was transformed into an attractive structure with a gleaming white coat of Bondex Heavy Duty. It seals out moisture, while it hides unsightly exterior surfaces. Goes on any porous masonry surface, makes old buildings look like new.

Use improved regular Bondex for ordinary basement dampness-decoration; the perfect paint for stucco exteriors!



YOUR BASEMENT CAN BE A BRIGHT AND DRY "EXTRA" ROOM for fun, work and recreation. It takes only a few hours time to change your damp, musty basement into a pleasant, useful area. You have a choice of twelve beautiful decorator colors to do the job. And you'll know the job is being done right because improved Bondex Cement Paint is made with Reardon's exclusive Double Waterproofed* formula.



DAB, STAINED STUCCO AND OTHER POROUS MASONRY EXTERIORS LOOK LIKE NEW when coated with new improved Bondex Cement Paint, in any one of twelve decorator colors. Once you try it, you'll never be satisfied with anything else. A Bondex application makes sense because it penetrates and actually becomes part of the masonry wall. It's the *only* paint made with the Double Waterproofed* formula.

USE THIS CHART to help you select which Bondex coating you need for your particular job.

	<i>Use amazing BONDEX HEAVY DUTY</i>	<i>Use new, improved BONDEX CEMENT PAINT</i>
BASEMENT MOISTURE CONTROL	INSIDE: to remedy serious wet basement problems. OUTSIDE: to protect walls below grade, before fill-in.	on inside walls, for ordinary moisture control; seals out dampness; wide selection of colors.
INTERIOR DECORATION OF MASONRY WALLS	to smooth out unsightly masonry surfaces while protecting against excessive moisture.	to beautify basement areas and control dampness at same time. In white and 12 decorator colors.
DECORATE & PROTECT EXTERIOR SURFACES	to give concrete or cinder block buildings a smooth protective finish; makes old buildings look like new.	colorful protection for homes, apartments, commercial buildings of stucco or other porous masonry.
OTHER IMPORTANT USES	warehouse, storage farm buildings, protects grain bins from moisture, mildew, ideal eastern lining, etc.	retaining walls, reservoirs, etc.; anywhere you have a porous masonry surface needing color & protection.

Bondex Heavy Duty comes in white only; for color, add a coat of Bondex Cement Paint.
FOR ACTIVE SEEPAGE AND LEAKS—Use Reardon's new "QUICK PLUG"... stops leaks completely in five minutes!

BONDEX Cement Paint
in 12 decorator colors

comes in concentrated powder form. Mix with water and you have paint for an approximate price of...

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WHEN MIXED

BONDEX Heavy Duty

also in powder form; 10 lb. can makes a gallon and a half for an approximate price of...\$2.95

Prices slightly higher in the West

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STALIN'S SECRETS: PART II

INSIDE STORY OF HOW TRIALS WERE RIGGED

AFTER 'LEGAL' EXECUTIONS CAME BLOOD BATH
IN WHICH VICTIMS DIED BY THE THOUSANDS

by ALEXANDER ORLOV

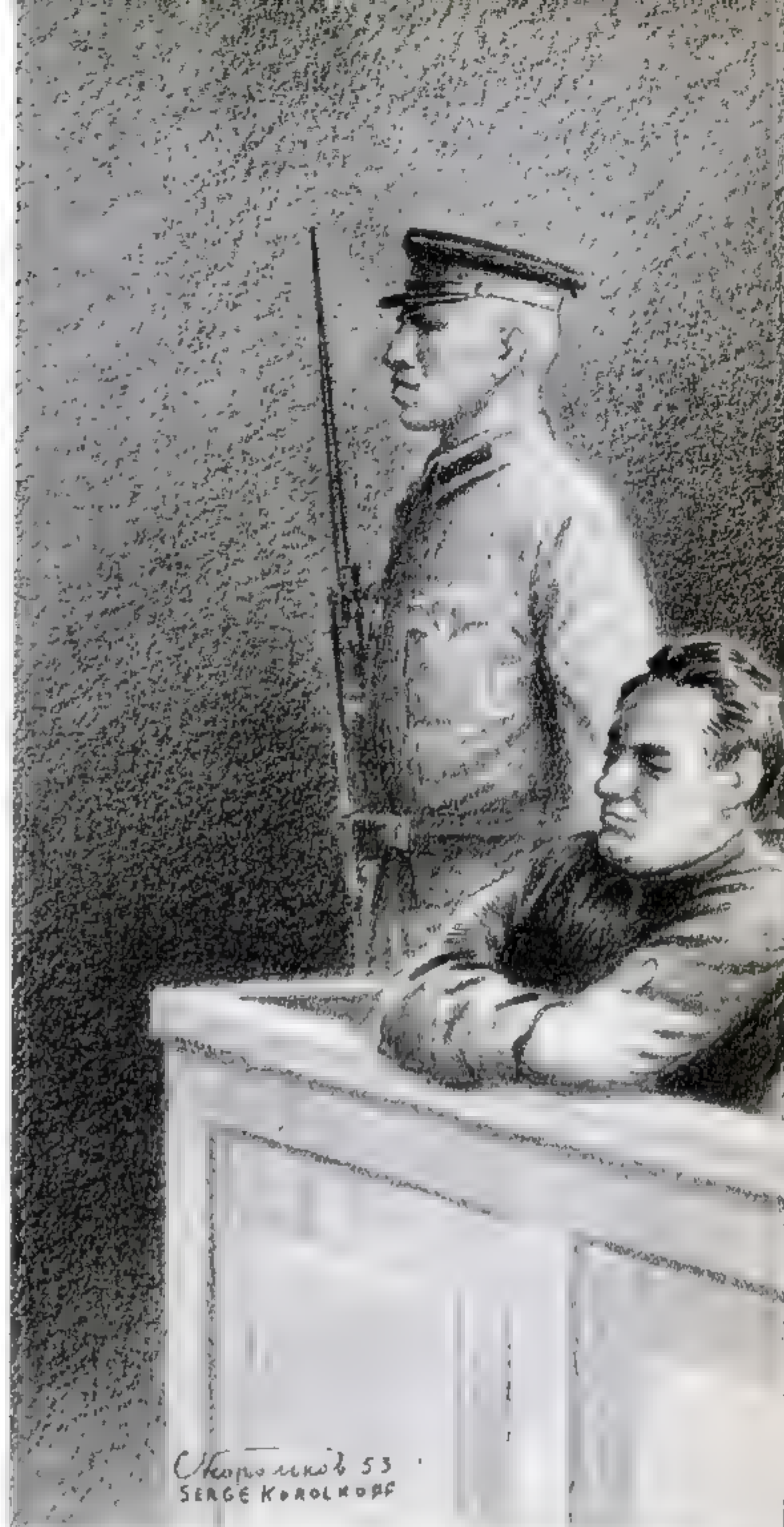
In Part I of this series, published in *LIFE* last week, the author, a former general of Soviet secret police, explained how in 1934 Stalin had the popular government official S. M. Kirov assassinated, then arrested a number of Communist leaders and charged them with Kirov's murder. These leaders, members of the Opposition once headed by the exiled Trotsky, included the old Bolshevik heroes Kamenev and Zinoviev. Stalin got them to confess by promising immunity for their families and political followers and mercy for themselves. Now the author tells how the trials of these men and others were rigged. The four articles of this series are part of a book on which Mr. Orlov is working, tentatively titled *Stalin's Secrets*.

ORIGINALLY Stalin planned to stage the first Moscow trial with at least 50 defendants but as the preparations progressed the figure was cut several times and finally reduced to 16. Stalin wanted to have in the dock only those of the accused who could be counted on to repeat in court the false testimony they had signed for the NKVD interrogators. Of the 16 actually tried five were fakes planted by the NKVD to incriminate the others. They were Valentine Olberg, Fritz David, Berman-Yurin, Isak Reingold and Richard Pickel. These prisoners regarded themselves not as real defendants but as men helping carry out secret directives of the Party's Central Committee.

The problem of finding a suitable hall for the public trial was considered so important that Stalin called a special conference on it. Of several possibilities suggested by NKVD chief Yagoda, Stalin chose the smallest one, a room in the House of Trade Unions which could seat only 350. Stalin told Yagoda to fill it with NKVD officials and admit no outsiders, not even members of the Central Committee or the government. Thus the NKVD supplied the court not only with defendants but with an audience. It was composed of NKVD office employees, filing clerks, typists and code clerks who had been trained for years to guard state secrets and to hold their tongues. They were given passes valid for half a day at a time and attended the trial in shifts. They were told not to wear their uniforms in court.

Stalin feared that despite the defendants' promises to confess everything they had signed their names to in the "depositions" concocted for them by the NKVD interrogators, some old Bolshevik might not be able to restrain himself and would blurt out the truth at the trial. That is why he dared not allow even the most trusted members of the Party into the courtroom.

Special precautions were taken to gag any possibly rebellious defendants. In the courtroom among the "public" were seated several groups of specially coached NKVD officers. They were ready to spring



AFTER VERDICT IS ANNOUNCED at conclusion of the first trial, one of the doomed men in the dock, Lurye, jumps up and hysterically shouts, "Long

up from their chairs at a signal from the prosecutor and drown out the witness with loud outcries. The commotion was then to be used by the president of the court as a pretext for declaring a recess.

The last step in the inquisitorial preparation of the trial was a meeting which Yagoda and Yezhov, Stalin's personal deputy in this operation, had with the principal defendants. Yezhov reiterated in the name of Stalin that if the defendants carried out their agreements to confess at the trial, all the promises that had been given them—to spare their families and their followers—would be scrupulously kept. But if one of them tried to "commit treachery" in court, it would be regarded as an organized betrayal on the part of the whole group of defendants.

The trial opened on the 19th of August, 1936 under the chairmanship of V. Ulrich, a secret police veteran. In the back of the courtroom, facing the audience, sat the judges and the secretary of the court. There was no jury, no counsel for the defendants.

The prisoners were seated in four rows along the right wall, sideways to the audience. The dock was fenced off by a low wooden bar, near which stood tall guards bearing rifles with fixed bayonets. Opposite the defendants, near the left wall, sat Prosecutor Andrei Vishinsky at a small table. Behind the defendants, in a corner of the court-



live the "case of Marx, Engels, Lenin and Stalin." Ollberg, a secret NKVD agent posing as a fake defendant to incite the far officers, is second from the left

in first row, stealthily eyeing two of the leading defendants next to him. Zinoviev (with collar off) and Kamenev. Third from left in second row is I. N. Smirnov.

room, a door led to a narrow passage with several small rooms on both sides of it. In one of these rooms a buffet with excellent food and refreshments was set up. Yagoda and his aides sat there in comfort, listening to the testimony, transmitted to the room by a specially installed loudspeaker.

When the trial opened the accused looked considerably less exhausted than they had at the time of the preliminary investigations. During the past few weeks they had gained some weight and caught up on their sleep. But the muddy color of their faces and the dark rings around their eyes clearly showed that they had gone through an exceptionally trying ordeal. Several of the men, however, seemed carefree and robust. These were the latitious defendants.

Reingold, whose face radiated health, was elegantly dressed. He sat behind the bar on the end of the second row nearest the audience. He never took his eyes off the prosecutor. He was ready at any moment to leap to his feet and obligingly back up the prosecutor with false testimony against the other defendants.

Not far from Reingold sat Ollberg. It was obvious that it made him nervous to be near such former heroes as Zinoviev and Kamenev. He kept looking at them stealthily with a mixed expression of awe and reverence.

Fritz David and Berman-Yurin looked through their notes in a businesslike manner and tensely awaited the moment when the prosecutor would give them the opportunity to fulfill their Party duty.

Only Pickel, of the five fake defendants, sat in apathy.

The most exhausted of the group was Zinoviev. His puffy face with baggy swellings under the eyes was a sickly gray. He suffered from asthma and was gasping for breath. As soon as he was led into the dock he took off his shirt collar. He did not wear it again during the trial. When he studied the audience he was evidently much surprised that at such an important affair he saw not one of the many prominent Party workers and government executives he knew.

After the indictment was read the prosecutor began his examination of the men in the dock. For three whole days he drew from them a tale of terrorist plans which they had allegedly discussed for a number of years. But neither the prosecutor nor any of the defendants was able to produce one concrete piece of evidence to prove that anything had been done as a result. There was one solitary exception—the assassination of Kirov, which, as we have seen, was organized by Stalin himself.

Only one man delivered his testimony in an ironical manner that left no doubt that he considered the charges against him and the others

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For it is savings like these which have made possible the fact that railroad freight charges have gone up only *half as much*, relatively, as the wage rates, fuel and supply prices and taxes which railroads must pay.

Indeed, today, railroad freight charges form a smaller percentage of the cost of the things you buy and use than they did before World War II.



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NKVD PRISON, the Lubianka, where interrogations took place for the trials, is tall building at left center. Picture shows annex being built onto it in 1946.

STALIN'S GHASTLY SECRETS CONTINUED

to have been trumped up. This was Ivan Smirnov. A former factory worker, an active revolutionary from the age of 17, a member of the Bolshevik party since its foundation, Smirnov had been an indefatigable builder of illegal organizations during the Czarist regime and one of the most outstanding leaders of the Red army during the civil war. From 1923 to 1927 he was People's Commissar for Communications. After the death of Lenin he joined the Opposition against Stalin. For that he was expelled from the party, but was reinstated in 1929, only to be cast out again and sent into exile.

During the trial Smirnov's sarcastic remarks and frequent hints that the whole conspiracy was a myth kept Prosecutor Vishinsky on tenterhooks. When defendants Mrachkovsky, Dreitzer and Ter-Vaganyan confirmed Vishinsky's assertion that Smirnov had been their leader, Smirnov answered them in words that made even that well-trained audience titter. He turned to Mrachkovsky and Dreitzer and said, "You want a leader? Well, take me!"

Vishinsky was delighted with the testimony of the five pseudo-defendants. He particularly praised Reingold and Pickel, and this incited them to still more vigorous attacks against the others. Pickel echoed Reingold's every word, but he did it without the hypocritical indignation and pathos Reingold displayed to such an extent that it was apparent to everyone that he overdramatized his role as a penitent defendant.

Vishinsky had no difficulty in constructing a thunderous prosecuting speech against the defendants since they not only did not resist him but did everything they could to back him up. Heaping the most heinous accusations on them, Vishinsky screamed at the end of his speech, "Dogs gone mad should be shot, every one of them!"

On the fourth day of the trial each of the victims presented a draft of his "last plea" to the NKVD. These documents were revised by Yezhov personally. He expunged from them all references made by the accused to their collaboration with Lenin and to their services to the Revolution. That accounts for the noteworthy fact that it is impossible to find in the official report of the court proceedings even a hint that the defendants had ever taken part in the founding of the Communist Party, in the October Revolution or the creation of the Soviet Republic.

The last pleas were the most tragic part of the whole trial. Inspired by the desire to save their families and thousands of their political adherents from Stalin's vengeance, the old Bolsheviks reached the uttermost limits of self-abasement. Knowing Stalin's capacity for perfidy, they strove to fulfill and even overfulfill the obligations which they had taken upon themselves, so as not to give Stalin the slightest pretext for breaking the promise that he had given them—to show mercy if they cooperated in the staging of the trial.

Mrachkovsky was the first man to make the last plea. He had an interesting history. He was born in a Czarist prison where his mother was serving a sentence for revolutionary work. His father was a worker and a Bolshevik. His grandfather had been one of the participants in the old revolutionary group known as the Southern Russian Workers' Union. Mrachkovsky carried on this tradition vigorously, serving in the October Revolution and fighting under Smirnov in Siberia during the civil war. (Ironically, it was Mrachkovsky who, after "breaking" under interrogation, helped the NKVD "break" his old commander and good friend Smirnov.) He suffered a concussion during the war and came out of it not quite sound, with a tendency to be emotionally

CONTINUED ON PAGE 194



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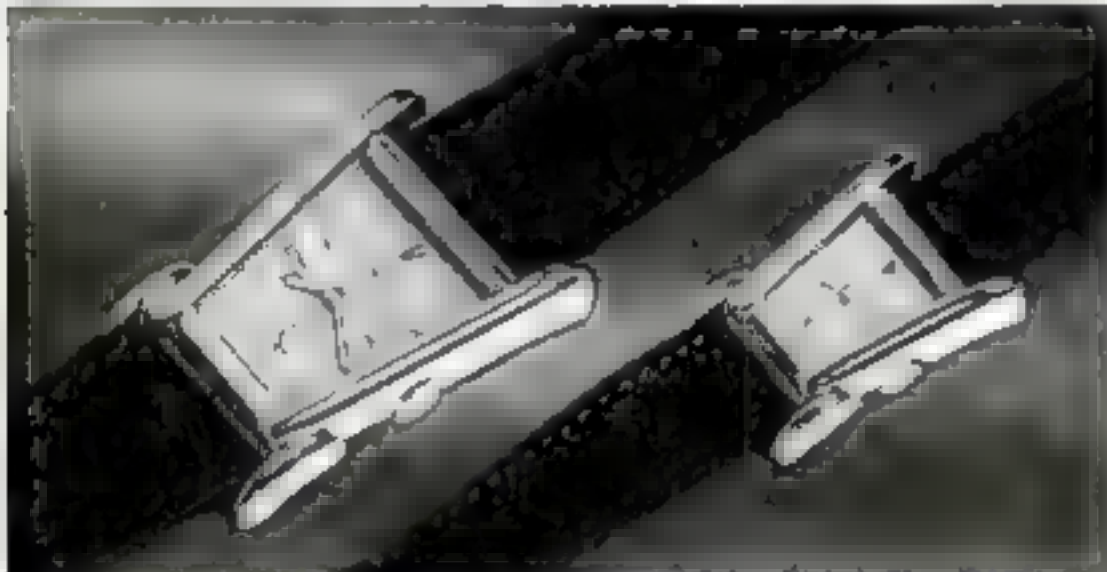
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unstable, constantly irritable and hot-tempered. Now he rose to make his last plea.

He began by recalling that at the age of 13 he had been arrested for disseminating revolutionary leaflets. The judges and the prosecutor exchanged meaningful glances and apprehensively fixed their eyes on him. But Mrachkovsky had no intention of exposing the dark secrets of the trial. When he saw how the prosecutor and the judges were alarmed, he hastened to reassure them by explaining that he did not touch upon his past revolutionary services with the aim of defending himself. He wanted to show that not only a Czarist general, a prince or nobleman, but even a proletarian like himself could become a counterrevolutionary if he deviated one iota from the general line of the Party. At the end of his speech, Mrachkovsky prostrated himself completely before Stalin. He concluded: "I depart as a traitor to my Party, as a traitor who should be shot!"

The most interesting last pleas were those of Zinoviev and Kamenev. Kamenev confessed to all the charges brought against him and then sat down. Abruptly he rose again.

"I should like to say a few words to my children," he said. "I have no other way of addressing them. I have two children: one is a military pilot, the other a pioneer. Standing perhaps with one foot in the grave, I want to tell them in advance that no matter what my sentence will be I consider it just. Don't look back. Go forward. Together with the Soviet people, follow Stalin."

He sat down and covered his eyes with his hand.

Zinoviev then spoke. At first it was impossible to recognize the brilliant orator who in the old days had hypnotized huge audiences. He was breathing with difficulty and his talk was incoherent. But

THE CASE OF THE CRAZY INTERROGATOR

Orlov tells a weird story concerning one of the NKVD men whose job it was to induce the prisoners to make false "confessions." His name was Kedrov and he quickly "broke" the first six men assigned to him. "One evening," writes Orlov, "Boris Berman, deputy chief of the foreign department, and I were walking along the corridor of the NKVD building. Suddenly we heard terrible screams coming from Kedrov's office. We rushed in. The prisoner was cowering in his chair, shaking with fright. Kedrov was in a state of violent hysteria and began to babble to Berman, his superior, that the prisoner had a moment ago agreed to confess but now recanted. It was as though Kedrov were the prisoner's victim and not the other way around."

"Berman told me later that this had happened before. He and other officers had heard Kedrov screaming and hurried to his office. They found Kedrov in a mad frenzy, shouting that his prisoner tried to swallow the inkstand on his desk—a massive affair of cut glass, the size of two fists. 'Then it occurred to me,' said Berman, 'that Kedrov had gone mad. When you hear how he interrogates his prisoners, without any logic or reason, you feel he ought to be ousted from his job, but somehow people surrender to him more quickly than to our best interrogators. It is strange, but he has some kind of power over them.'"

within a few minutes he regained his self-possession and skill. His speech was patterned along the same lines as Kamenev's. He too accused himself and defended the Party and Stalin. He concluded with an involved syllogism, the form of which resembled Stalin's clumsy literary style much more than his own. "My defective Bolshevism," he said, "became transformed into anti-Bolshevism, and through Trotskyism I arrived at fascism. Trotskyism is a variety of fascism and Zinovievism is a variety of Trotskyism."

The fake defendants also made last pleas. With the exception of Olberg, they all told the court they considered it impossible to ask for mercy. They had been promised special treatment and they were confident that their lives were not in danger.

On the evening of Aug. 23 the court withdrew to the council chamber. There they were soon joined by Yagoda. Although the text of the verdict had been prepared long in advance and copying it took no more than two hours, the judges remained in the council chamber for seven hours. At 2:30 in the morning they returned to the courtroom.

In dead silence the president of the court began to read the verdict. After 15 minutes of monotonous reading of the summation he came to the sentences. Nervous coughing came from various parts of the hall. The president waited for the noise to subside. Then, one by one, he named all the defendants, and after a long pause he

CONTINUED ON PAGE 181

Lemonade's
so easy now—
just open a can
—add water
—WOW!



HELP YOURSELF TO OUR YEAR-'ROUND PITCHER of HEALTH

Mix delicious, refreshing lemonade in seconds with fresh-frozen Concentrate for Lemonade.

"WOW" really describes the goodness of lemonade made with plump, tree-ripened California lemons! And now you can make it so easily with the new fresh-frozen Concentrate for Lemonade. It's Pure California Lemon Juice with sugar added. All you do is add water and ice to serve your family a "pitcher of health."

What other beverage tastes so good—is so good for kids—yet costs so little? Each can makes a full quart—as a cost of less than 4¢ per six-ounce glass.

Keep this easy-to-make lemonade in your refrigerator all the time, so that your active youngsters will drink their recommended daily quota of liquid—and get real fruit juice refreshment and essential Vitamin C besides.

Try fresh-frozen Concentrate for Lemonade in tea, punches, mixed drinks, desserts. It's so convenient, so tasty. You have your choice of many brands—canned as well as fresh-frozen.



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LEMON "AIDS" for busy homemakers by Martha Williams

DO YOU KNOW that you can also blend delicious lemonade from ready-squeezed Pure California Lemon Juice? This is unsweetened juice, of course. You add sugar to suit your individual taste. Your grocer has Pure California Lemon Juice on his shelves and in his freezer. It's so convenient you'll always want it on hand. No squeezing



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lemon juice. It's tasty in any food or beverage, and you'll especially like its flavor in salad dressings. You'll find it downright economical, too. You have a wide choice of brands. Get one at your grocer's soon. Lemon Products Advisory Board, Los Angeles, Calif



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Now! B. F. Goodrich Chemical Co. Makes New Exclusive Loamium Co. Formulation* That Chemically Changes Hard Clay Or Problem Soil Into Rich Fertile Loam! Just Sprinkle On And Rake In!

This Summer, even if the present soil on your place is a hard packed growth retarding mass when dry, and a gooey glaze when wet... even if your soil is now drained of vital growing elements... your place can become the garden show-place of your community!

This Summer, while your neighbors who have the same barren, dry, caked, diluted soil as you, still get sickly, undernourished plants, flowers and vegetables, while their lawns are brown and spotty you can grow luxurious, flower show blooms... giant, tasty, nutritious vegetables, and have thicker, richer, greener lawn than the neighbors.

These are the facts. They have been proven by the amazing tests pictured on this page. They have been proven by 2 garden testing laboratories. They have been proven by home gardeners all over the country.

After years of research, there has been developed a revolutionary new garden product that is unlike any other being offered to the home gardener today.

NOT just a conditioner. NOT just a plant food. BUT a new combination of both, an effective that it will not only change the structure of the soil on your place, but will feed your flowers, vegetables, plants and lawns as well!

The name of this remarkable new product is LOAMIUM. LOAMIUM is made with hydrolized POLYACRYLONITRILE plus LIQUID PLANT FOOD. When you sprinkle LOAMIUM on the top of the ground it actually improves the mechanical structure of the soil that it reaches. Hard clay soil becomes loose and crumbly. It binds the soil particles in sandy, silty soil into "aggregates" or tiny

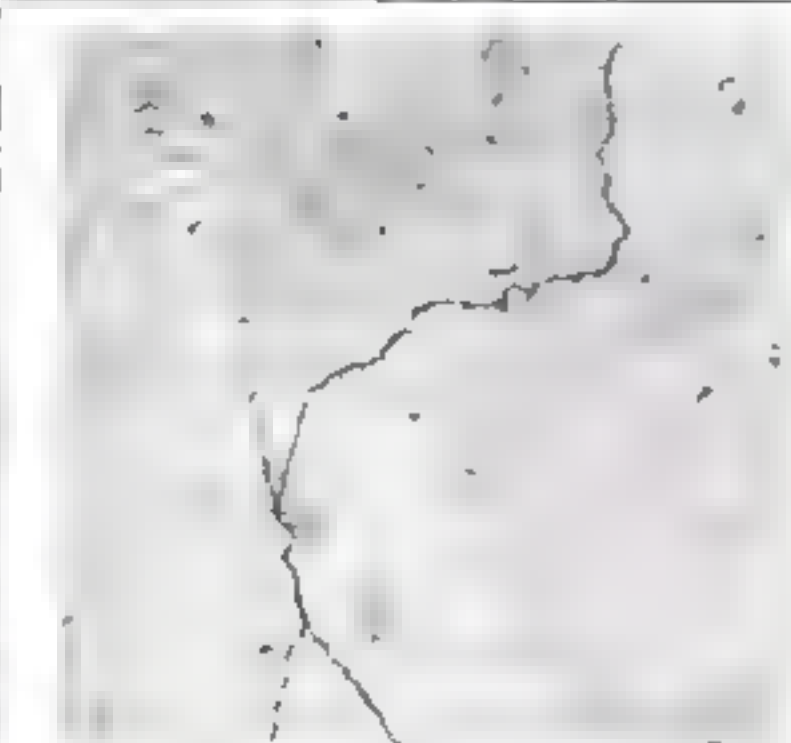


HAVE A LAWN LIKE THIS ALL SUMMER!

When you sprinkle amazing new Loamium on your lawn it instantly feeds grass, both through the blades and through the miles of grass roots. And it binds the soil particles into loose tiny balls so moisture can penetrate and remain in soil longer during dry spells. The result: a thicker, greener lawn than you ever had before!

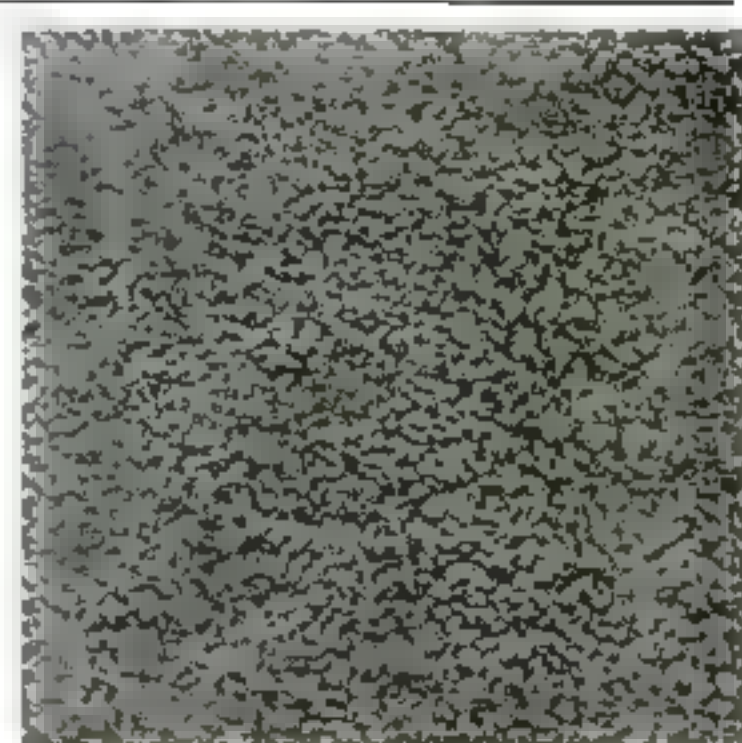
balls of soil. These tiny balls are about the size of a pinhead to a pea. In this new LOAMIUM conditioned soil, water enters more easily, and gets down to the roots where it is needed. Seeds can germinate better. It prevents soil crust from forming so that seedlings can push through better. Roots can spread out better. The soil is easier to work and retains moisture better during dry spells.

But that's not all! LOAMIUM also adds vital life giving substances that shoot new life into every root it touches... vital elements that may have been washed out of your soil for years and without which it is impossible for you to have luxurious growth



IMAGINE! ONE SPRINKLE OF AN AMAZING NEW CHEMICAL CHANGED THIS HARD CLAY INTO THIS HEAVY RICH LOAM!

This hard-packed clay is death to plants. Roots cannot spread. Rain cannot penetrate so it puddles or runs off. Vital air and nitrogen cannot get to roots. Neither shrubs, flowers nor lawn grass can grow properly in such soil. But one application of an amazing new chemical discovery changed this poor, lifeless soil into



this rich, well aerated top soil. In this new nourishing top soil plants can grow as never before! Read this amazing article and learn how you can now change the top layer of dry, growth inhibiting soil on your place into rich, fertile top soil with just a watering can and rake!

WHAT EVERY HOME GARDENER SHOULD KNOW!



When You Use Plant Foods!

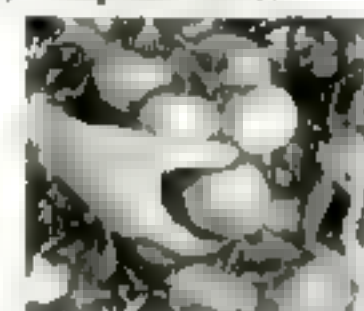
See the dark, moistened area of clay top soil where some water with "plant food" was soaked into dry, baked, crusted clay soil? Most of it ran off! Vital feeding elements never got to the plant roots! This is why so many home gardeners get poor results! This is why plant foods cannot solve your problem of dry, caked, typical home garden soil!

1¢ A SQUARE FOOT FOR NEW GARDEN BEAUTY!

Until now the only way to get fertile loam on your property was to dig up your garden, your lawn... remix tons of soil with manure, fertilizer and peatmoss, ruining your property! LOAMIUM works just by sprinkling on and raking in for 1¢ a square foot!



Now! Your roses, or any other flowers, must grow faster, grow bigger, give bigger blooms or your money back!



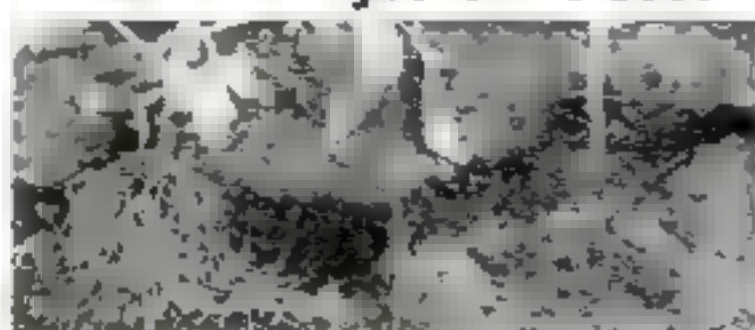
Now! You must grow the biggest, tastiest tomatoes, beans, corn, carrots, etc., you ever grew, or your money back!

THE TRUTH ABOUT GROWING PLANTS!



It stands to reason no plant can be any better than the soil it is planted in. This picture proves it! See how plant on right is puny, sickly because its roots are stunted in dry, barren soil! But see how plant on left thrived in LOAMIUM treated soil. Its roots could spread! It got the nourishment it needed. LOAMIUM provided it! Plant grew 3 times bigger and more beautiful. Proof of what LOAMIUM can do for YOU! Amazing new LOAMIUM alone contains both B. F. Goodrich's Potassium Polyacrylate Soil Conditioner PLUS 5-10-5 Plant Food... the most amazing garden product in America today!

What Your Eyes Can't See!



Here's the real reason for the difference in growth shown above. See how the roots of one plant were stunted in dry, caked soil and how roots of plant in LOAMIUM soil spread out to absorb LOAMIUM's vital plant foods!

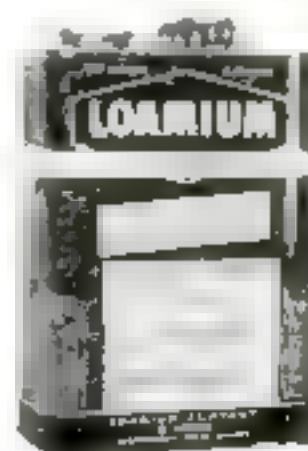
MAKE THIS TEST!

Exclusive Loamium Guarantee!

Absolutely nothing sold today is the same as LOAMIUM double action of both "remaking" dry, caked soil into soft, porous loam PLUS adding vital plant foods at the same time! Prove it to yourself! Sprinkle LOAMIUM on one section of your garden and rake in. Then in a few days scoop up a handful of LOAMIUM treated soil and try to scoop up a handful of untreated hard baked soil. See for yourself the incredible difference. See how in short weeks your lawn will be thicker, greener, more luxurious! If LOAMIUM does not do everything claimed on this page, you don't even have to return it! LOAMIUM MUST help give you a lawn that is the show-place of the community... give you bigger, tastier vegetables and huge, garden show flowers, or it costs you nothing!

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Covers up to 185 Sq. Ft.
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Covers up to 375 Sq. Ft.
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Address _____
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When Grand-dad shaved from the rain barrel he had the right idea!

Now you can have a really close, wonderfully comfortable shave—even in the hardest water

• Why did Grand-dad so often take the trouble to get water from the rain barrel for his shave?

Because rain water is *soft* water . . . and the softer the water, the wetter your whiskers and the better shave you get.

Better than softest rain water!

Today, with the new Glider, an *Instant* brushless shave cream, you get a good shave *even in hardest water!* Glider Instant has a special wetting agent that conditions even *hard* water to do a better job than the softest rain water!

Results? With new Glider Instant Brushless your beard is soaked soft to let you shave fast as you want and close as you need . . . and your skin has unbelievable freedom from the razor's irritation.

You'll find this wonderful new



New ingredient "out-gets" rain water

Glider Instant at all drug counters now. And in spite of all it does—there's no increase in price! So get your tube of the new Glider Instant—today!

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TWO KEY FIGURES IN SECOND TRIAL



GRIGORI PIATAKOV



KARL RADEK

Piatakov joined the Communists as a young man, fought in the civil war and became first president of the Provisional Revolutionary Government of the Ukraine in 1918. Later he held numerous important economic posts and several times represented the Soviet Union abroad. He was expelled from the Party for Trotskyism in 1928, readmitted in 1929. Radek was a Pole, born in Austrian Galicia, and a revolutionary from the age of 14. He was an intimate friend of Lenin and probably the most brilliant writer among the old Bolsheviks. A foreign affairs specialist, he was sent to work with German revolutionists in the early '20s, later headed a Moscow school for Chinese Communists. He became entangled with Trotskyism in 1927, was exiled but reinstated in 1929. Stalin made him editor of the government newspaper *Izvestia* in 1931.

STALIN'S GHASTLY SECRETS CONTINUED

announced that every one had been sentenced to death by shooting.

The NKVD employees who made up the audience, knowing the procedure of political trials, expected that the president would go on to the familiar words: ". . . but taking into consideration the past revolutionary services of the defendants, the court has decided to commute the death penalty." But those words never came. The death sentence was final. The audience realized this only then when the president put the paper he had just read into a file on the table before him.

At that moment a piercing shriek resounded in the courtroom: "Long live the cause of Marx, Engels, Lenin and Stalin!" These words were shouted hysterically by one of those sentenced, a little man named Lurye with disheveled hair and fiery black eyes.

According to Soviet law, persons sentenced to death are given 72 hours in which to write a petition for clemency. As a rule the death sentence is not carried out before the expiration of the 72 hours, even if the pardon is refused before the end of that period. But in the case of the old Bolsheviks Stalin violated the rule. Only 24 hours after the verdict had been pronounced the Moscow morning papers carried an official announcement that all sixteen men had been executed.

A week later Stalin issued an order to Yagoda and Yezhov to select 5,000 of the more active members of the former Opposition who were being kept in concentration camps or sequestered in exile and have them executed in secret. This was the first case in the history of the U.S.S.R. of a mass execution of Communists without even the formality of charges being brought against them.

A year later Stalin ordered another 5,000 Oppositionists shot in the same way. How many times that order was repeated I do not know because in the fall of 1936 I went to Spain as an adviser to the Republican government. Living abroad I was unable to follow the second and third trials of the old Bolsheviks as closely as I had the first. But I learned many valuable behind-the-scenes facts about those two trials from well-informed officers of the NKVD who came on business to Spain and France.

As I have shown in the story of the first trial, Stalin began his plot against the old Bolsheviks by inventing the accusation that they had conspired to assassinate him and other members of the Politburo. To make the charge look convincing, he had ordered Yagoda to set up the assassination of Kirov and lay that crime at the door of Zinoviev and Kamenev. The same line was used by Stalin when he began organizing the second trial. The interrogators worked for a few weeks trying to convince the prisoners who had been selected as defendants that they would not be shot if they supported the conspiracy story. Then the interrogators were told to discontinue working on the prisoners until they received new instructions. Several days later the investigators were summoned to an urgent conference by Molchanov, head of the Secret Political Department of the NKVD.

Molchanov's instructions sounded like the ravings of a madman:

CONTINUED ON PAGE 124

The new plastic bandage

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Only CURAD contains Furacin*-Tyrothricin, the new wonder drug that killed or inhibited all 28 common wound bacteria in laboratory tests. *This new germ-fighter will not stain your hands or clothes.*



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PEOPLE EVERYWHERE
KNOW THAT THE
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STALIN'S GOODWILL GESTURE toward Piatakov was an order to move the official's child and belongings from his dingy apartment to better quarters. Stalin thus tried to ingratiate himself with a man he then needed.

STALIN'S GHASTLY SECRETS CONTINUED

they were ordered to demand from the arrested friends of Lenin a confession that they had plotted to seize power with the help of German and Japanese armies and to restore capitalism in the U.S.S.R. Stalin made this abrupt change not as a matter of choice but because he perceived that the first trial had roused among Soviet workers a feeling of deep sympathy for the executed leaders and regret that the old Bolsheviks had not succeeded in overthrowing his despotic regime.

The second trial, with 17 defendants, was staged in Moscow in January 1937. The most important defendants were Piatakov, Radek and Sokolnikov.

The ascetic Piatakov

GRIGORI ("YURY") L. PIATAKOV was one of the most talented and respected men in the Party. When the October Revolution broke out he was only 27 years old, but he already had behind him 12 years of revolutionary activity. When the Revolution triumphed in the Ukraine, Piatakov became the first president of the Soviet government there. During the civil war he was one of the most outstanding organizers and leaders of the Red army.

His greatest talents lay in economics and industrial construction. Immediately after the civil war, when coal mining was the most urgent problem, Lenin appointed Piatakov head of the coal industry of the Don basin. When he had accomplished his assignment there, he was given the gigantic job of building the industry of the whole country. Stalin was in power then, and Piatakov was given the title of Deputy People's Commissar for Heavy Industry—not Commissar—because Piatakov had for a short time taken an active part in the Trotskyite Opposition. The top post in the Commissariat went to Stalin's friend and partner in political intrigue, Sergo Ordzhonikidze, a man of no education and little understanding of the complicated problems of economics and finance.

Piatakov was a modest, ascetic kind of man. He lived with his family in two small rooms in a neglected old house in the Gnednikovsky lane and existed entirely on his salary, declining all the special privileges to which his high status entitled him. Because he needed Piatakov to carry out the industrialization program, Stalin was more friendly to him than to any of the other leaders of the erstwhile Opposition. One day in 1931, when Piatakov and his wife were at work, Stalin had their child and his modest belongings moved to a large and luxuriously furnished apartment in a new building. But Piatakov remained cool to Stalin's friendly overtures. He had broken with the Opposition but he refused to criticize his old friends or to praise Stalin.

Stalin knew from NKVD secret reports that Piatakov had once said in a conversation with a group of intimate friends, "I don't deny that Stalin is a mediocrity or that he does not belong at the head of the Party, but the situation is such that if we continue to oppose him, we may find ourselves having to obey Kaganovich [a member of the Politburo and brother of Stalin's third wife]. And I will never agree to submit to Kaganovich!"

Stalin never forgot things like that. But he was patient and could wait. He waited until Piatakov had trained new cadres of specialists and administrators able to carry on the industrialization program. Stalin waited eight years. Not until the fall of 1937 did he order the NKVD to arrest Piatakov.

CONTINUED ON PAGE 170



NBC-TV'S ROBERT MONTGOMERY, producer of "Robert Montgomery Presents" crossed network lines to "guest" on ABC-TV's "The Name's the Same"

with Robert Q. Lewis as quiz-master. Above, Montgomery chats with panel members Meredith Willson, Joan Alexander, and Jerry Lester during show.

RIVAL TV NETWORKS SHARE THE HONORS

NBC and ABC both take lively part in one of TV's biggest success stories

The news is the same on "Robert Montgomery Presents" (NBC-TV) and "The Name's the Same" (ABC-TV), two of television's standout programs which are sponsored by Johnson's Wax every other week.

The news is Johnson's Pride. Commercials demonstrating this new kind of furniture wax were first featured on "Robert Montgomery Presents" in January, 1952, and the result was a solid click. This spring, the same kind of simple, straightforward commercials on "The Name's the Same" are adding impetus to the national swing to Pride. By now Pride has

zoomed into top spot as America's favorite furniture wax.

The two shows share honors for this success by providing a huge audience for the Pride story—a combined total of 27 million viewers every other week. What caused this audience to go out and make Pride the nation's largest selling furniture wax or polish was the simple demonstration (below) that Pride really *does* give furniture a rich, long-lasting wax luster, without rubbing.

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DEMONSTRATION BEGINS with easy application of Pride. It is simply wiped on with a clean cloth.



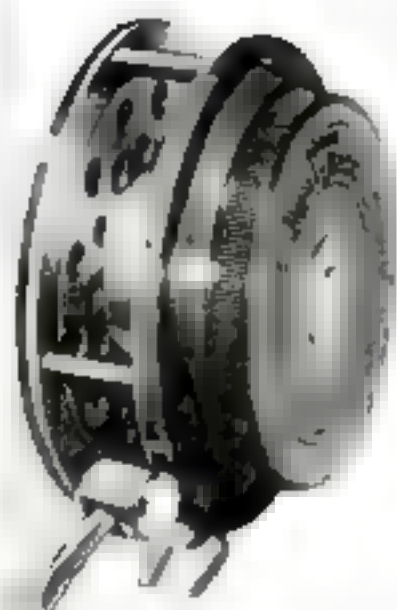
NO RUBBING is necessary. Pride dries to a light haze, which is simply whisked off, leaving rich wax luster.



FLOWERS ARE SET on table to reflect themselves in the gleaming wax finish Pride gives without rubbing.



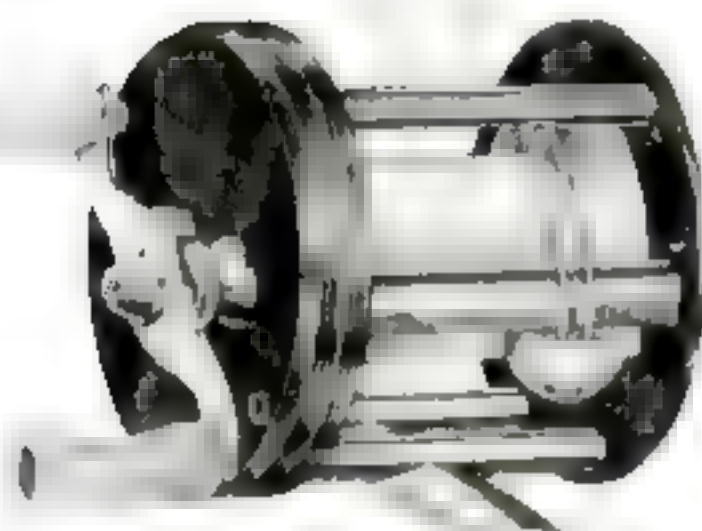
NEW ECONOMY SIZE (right) contains enough Pride to wax 10 rooms of furniture. Regular size also available.



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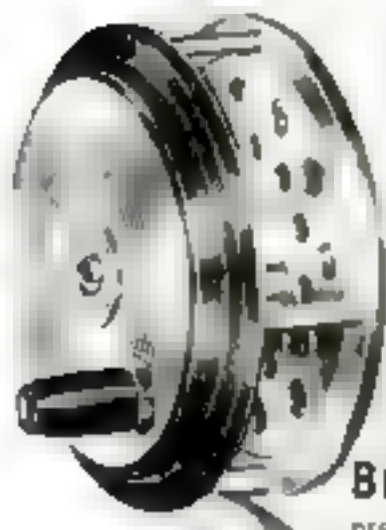
Bronson
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free spool—handle disengages
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offers the finest reel for the
money today—the modized
aluminum Green Hornet with
snap-on plastic arbor. Ask for
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Wherever you fish, you'll find more
fun with a Bronson-made reel. These
are the casting and fly reels most
famous for ease and accuracy, for
speed and distance, for long and
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Bronson, Mich. (Division of Higbie Mfg. Co.)



STALIN'S EMISSARY Ordzhonikidze embraces a hostile Pia-
takov in prison. Ordzhonikidze assured the suspicious prisoner
that Stalin promised not to molest his family and close friend.

STALIN'S GHASTLY SECRETS CONTINUED

I had known Piatakov very well since 1924, when he was at the head of the Supreme Economic Council and I was deputy chief of the Economic Administration of the OGPU, as the secret police was then called. His work was his whole life. Tall, lanky, with a reddish goatee, he looked like a Russian edition of Don Quixote. He always wore cheap clothes which for some reason always seemed too small for him. His family life was a failure. His wife, a Party member, was a sloppy woman with a weakness for vodka. She and Piatakov no longer lived as man and wife, but they remained good friends, united by a common devotion to their only child, who at the time of the second trial was 10 years old.

Piatakov's most intimate friend was his private secretary and assistant, Kolya Moskaev, an honest and exceedingly charming fellow. About 35 years old, he had been working with Piatakov for over 14 years. Moskaev literally worshiped Piatakov.

One of the saddest aspects of Piatakov's case was that Stalin's inquisitors succeeded in using against him none other than his own wife and Moskaev, his closest friend. Stalin always valued the testimony of a wife against husband, son against father and brother against brother, not only because such testimony demoralized the prisoner and broke his backbone, but because Stalin derived the greatest satisfaction from dealing a blow to a political adversary with the hand of a relative.

The NKVD inquisitors easily and quickly broke Piatakov's wife. Terrified by the disappearance of the children of the Bolsheviks shot in the first trial, she agreed to testify falsely against Piatakov in order to save her own child.

Moskaev also had a child, a little daughter, and he considered that his first obligation was to her and to his wife. After the judicial murder of Zinoviev and Kamenev, Moskaev knew that one could not trifle with the NKVD. He also knew that the required "testimony" was only a formality and that Piatakov's sentence would be decided by Stalin long before the court hearings began. But Moskaev was cautious. He told Agranov, Yezhov's deputy in the NKVD, whom he knew well, that he would sign the deposition against Piatakov in obedience to Party discipline, but that the testimony was false.

Knowing Piatakov, I was convinced that if among this new batch of arrested Bolsheviks there was one man strong enough to withstand the pressure of Stalin's inquisition, that man would be Piatakov. For a long time, indeed, he refused even to talk to his inquisitors. Then one evening his boss in the Heavy Industry Commissariat, Sergo Ordzhonikidze, the friend of Stalin, walked into the NKVD building and asked to talk to Piatakov. When Piatakov was led in, Ordzhonikidze rushed forward to embrace him. But Piatakov recoiled. "Yury! I come to you as a friend!" Ordzhonikidze exclaimed. "I gave battle for you and I won't stop fighting for you! I talked to him about you." After that the conversation between Ordzhonikidze and Piatakov continued in private.

CONTINUED ON PAGE 172

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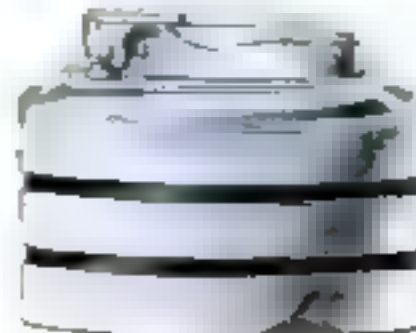
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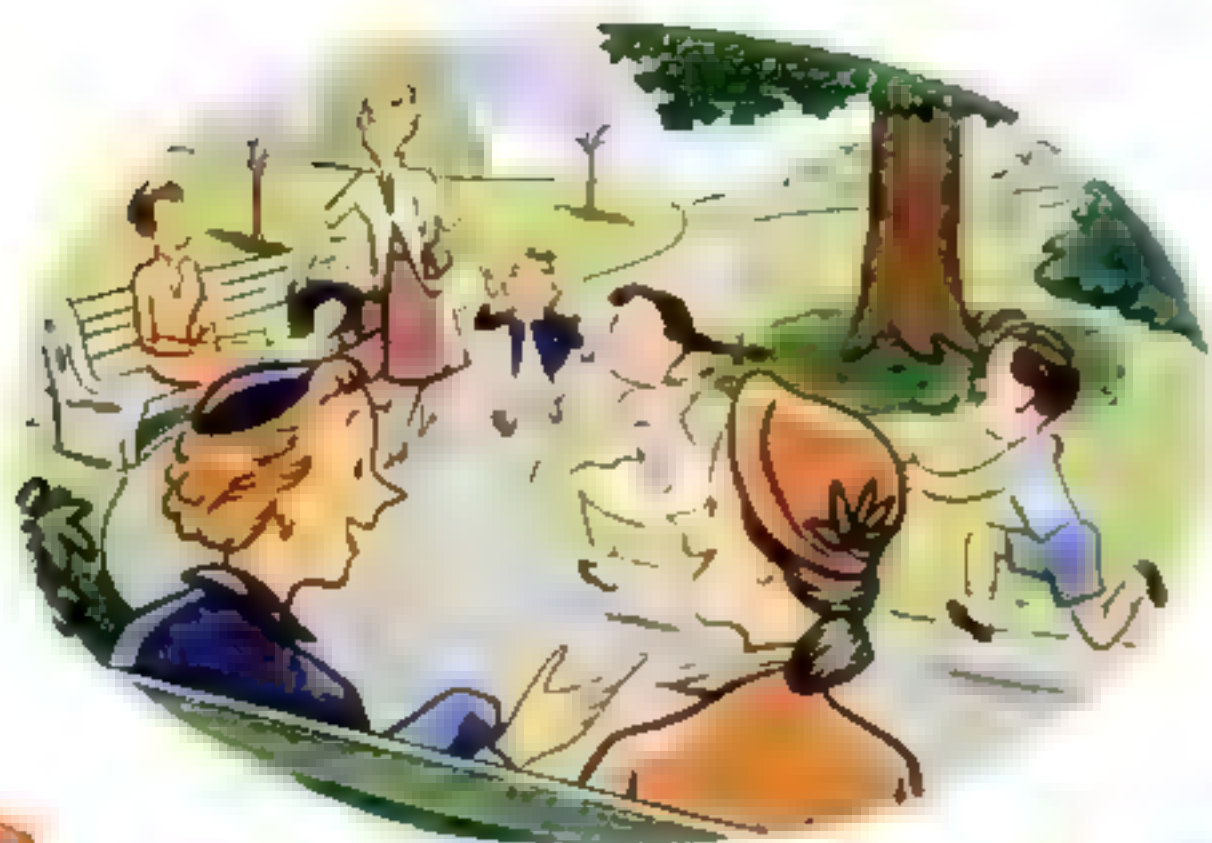
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Another Pick o' the Pantry Supper—Eggs à la King: Prepare 1½ cups Minute Rice as directed on package. Heat 1 can vegetable soup with ½ cup milk. Add 3 diced hard-cooked eggs. Season to taste. Heat thoroughly. Serve over the rice. Serves 4.

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STALIN'S GHASTLY SECRETS CONTINUED

Several days later Ordzhonikidze arrived again at the NKVD and had another talk with Piatakov in private. This time, before leaving, Ordzhonikidze called Agranov in to act as a witness and then said to Piatakov that he had Stalin's promise not to bring Piatakov's wife and Moskaev to trial and that they would not even be subpoenaed as witnesses. In this way Ordzhonikidze persuaded Piatakov to take part in the fraudulent trial. I have no doubt also that in private Ordzhonikidze personally guaranteed to Piatakov that he would not be executed.

Piatakov decided to put his faith in Ordzhonikidze. He signed a false deposition which stated that while he was in Berlin in December 1935 with a Soviet trade commission he wrote a letter to Trotsky in Norway. He stated that he had received a reply from Trotsky informing him that an agreement had been reached with the Germans, binding them to go to war against the Soviet Union and help the Trotskyites seize power.

When Stalin read Piatakov's deposition he asked whether it would not be better if Piatakov said he had received this statement from Trotsky directly, during a personal meeting, rather than by mail. In order to make the new version seem authentic Stalin ordered A. Slutsky, chief of the Foreign Department of the NKVD, to work out an itinerary for Piatakov's fancied trip to Trotsky, taking into account railroad schedules between Berlin and Oslo.

I learned in detail what occurred at the next conference in the Kremlin from Slutsky himself when he visited me in Paris in February 1937. Slutsky reported to Stalin that the data which he had gathered made it inadvisable to say that Piatakov had gone to Norway. He explained that because of railroad schedules Piatakov's trip from Berlin to Oslo and back, with time allowed to drive to Trotsky's residence and confer with him, would require at least two days. It would be dangerous to assert that Piatakov absented himself from Berlin for such a long period of time because it was well known in the Soviet Trade Agency in the German capital that Piatakov had daily conferences with various German firms and that he signed contracts with them almost every day.

"What you say about train schedules may be true," said Stalin, "but why couldn't Piatakov fly to Oslo? A flight there and back could be made in one night. . . . It must be said that Piatakov flew in a special plane."

The deposition signed by Piatakov was accordingly rewritten. Piatakov testified in court that in the middle of December of 1935 he arrived by plane at an airdrome near Oslo and went by automobile to visit Trotsky.

Knowing from their bitter experience with the nonexistent Hotel Bristol of Copenhagen how dangerous it was to embellish invented testimony with concrete details which might be checked and proved false, the organizers of the trial instructed Piatakov to make the story of his flight to Norway vague. Thus their story seemed fully guaranteed against exposure.

But a shock awaited Stalin.

On the 25th of January 1937, only two days after Piatakov had told the court of his flight to Oslo in the middle of December in 1935, the Norwegian newspaper *Aftenposten* announced that it had learned from the director of the Oslo airfield that no civil airplane had landed there during December 1935.

Four days later, another Norwegian newspaper, the *Arbeiderbladet*, confirmed this report and added that not a single plane had landed at the airfield between Sept. 19, 1935 and May 1, 1936!

Stalin and Prosecutor Vishinsky had once more been caught red-handed.

Nevertheless on Jan. 30, 1937 the military court condemned 13 out of the 17 defendants to death. Piatakov was among the 13 murdered in the cellar of the NKVD's Lubianka prison.

Three weeks after the execution of Piatakov the Soviet newspapers announced that Sergo Ordzhonikidze, who was only 50 years old, had died suddenly of a heart attack. He was buried with great honors.

The brilliant Radek

ANOTHER prominent defendant at the second Moscow trial was Karl Radek. Although Radek had belonged to the old Bolshevik guard, he never commanded the same reverence as did the other comrades of Lenin. His role in the Revolution and the civil war was inconspicuous and anyway the old Bolsheviks did not consider him a very serious man. He was known for excessive talkativeness and his passion for boasting and buffoonery.

However Radek was an exceptionally well read and well informed man. He was considered an outstanding expert in the field of international relations and frequently gave the Politburo sound

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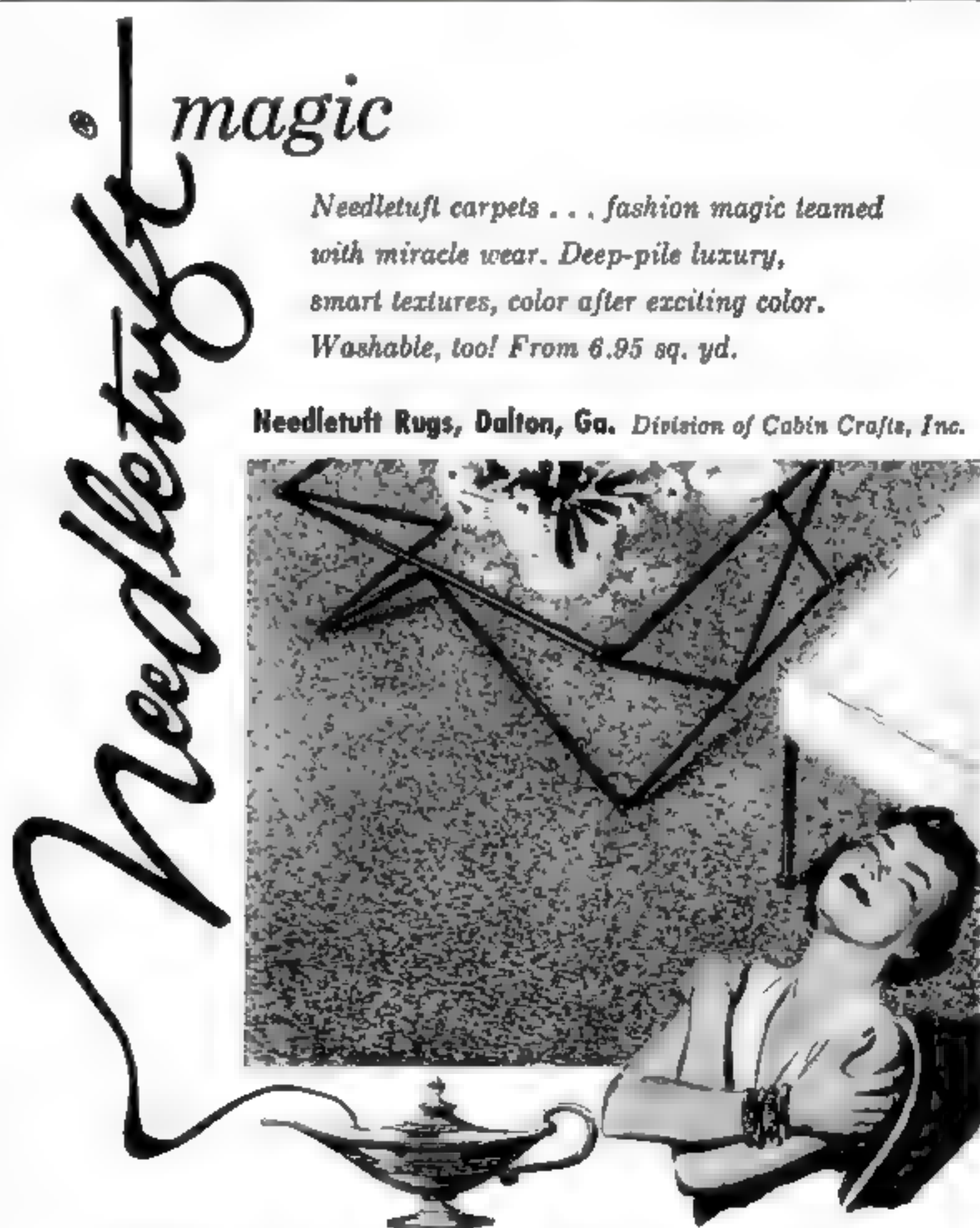
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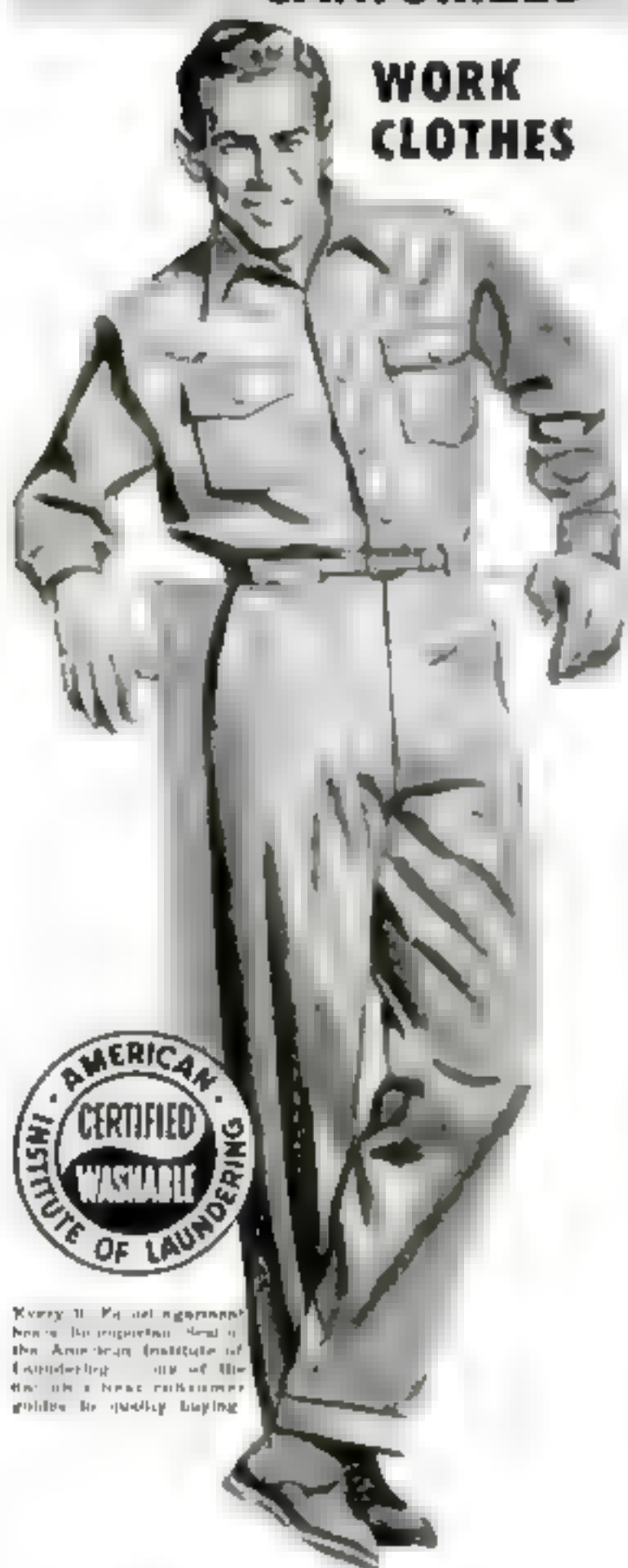
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ROMANCE ENDS for suspected NKVD agent and woman assigned to spy on him when police arrest him as he drives with her to the railroad station.

STALIN'S GHASTLY SECRETS CONTINUED

counsel on problems of foreign policy. His principal talent lay in the field of journalism. Although he spoke Russian with a strong Polish accent, he wrote it with rare skill.

When the Opposition was first formed in the early '20s, Radek, after some vacillation, joined Trotsky. After the Opposition had been defeated he was exiled to Siberia. Having spent a year and a half there and realizing that his exile was acquiring a permanent character, Radek decided to go over to Stalin's camp and thus regain his freedom. From then on his pen was at Stalin's service.

In 1929, eight years before he appeared in the dock at the second trial, Radek was visited in his apartment by Jacob Blumkin, a young NKVD man whom Radek had known since the civil war. Radek had only recently returned to Moscow from exile. Thinking that Radek must still be in his heart a sincere and incorruptible revolutionary in spite of his surrender to Stalin, Blumkin confided to him that he had been on an official mission to Turkey and managed to meet and talk with Trotsky.

Radek was quick to realize that Blumkin had given him a rare opportunity to prove his new devotion to Stalin. As soon as Blumkin left, Radek hurried to the Kremlin and told Stalin what he had learned. Alarmed by the fact that even in the NKVD apparatus there were officers willing to risk their necks for Trotsky, Stalin ordered Yagoda to put Blumkin under strict surveillance.

Yagoda summoned an employe of the Foreign Department, Liza G., a beautiful young woman in whom Blumkin had at one time shown a romantic interest. He asked her to become friendly with Blumkin and act as if she sympathized with the Trotskyite Opposition. Yagoda hoped that Blumkin would tell Liza G. about his meeting with Trotsky and name the former leaders of the Opposition whom he had seen since his return from Turkey.

When three weeks of romance failed to reveal any information, Yagoda had the Foreign Department give Blumkin orders to leave for a fictitious mission abroad—and arrest him on his way to the railway station. (Liza G., as could be expected, was with him at the time.) During his interrogation Blumkin carried himself with remarkable dignity. He went courageously to his execution. When the fatal shot was about to be fired, he shouted, "Long live Trotsky!"

Soon after, the NKVD discovered that Radek's treachery and the circumstances of Blumkin's arrest and execution had somehow become known. This kind of thing was to become horribly commonplace soon after, of course, but at this time, in 1929, it made a strong impression on all who learned about it. It was the first case in U.S.S.R. history of a Bolshevik being shot for political opposition.

Five years later, in 1934, Radek wrote a brilliant book entitled *The Architect of Socialist Society*. In it he made a fantastic leap into the future and painted a retrospective image of Stalin as he would be seen by future generations. This very original work was written in the form of a lecture delivered by a prominent historian at the end of the 20th Century about the great Stalin, the genius who had reformed human society.

Here Radek reached the most sensitive spot in Stalin's character, his insatiable ambition. With the skill of a magician Radek lifted before Stalin the curtain of the impenetrable future and let him take delight in his majestic image, in comparison with which the



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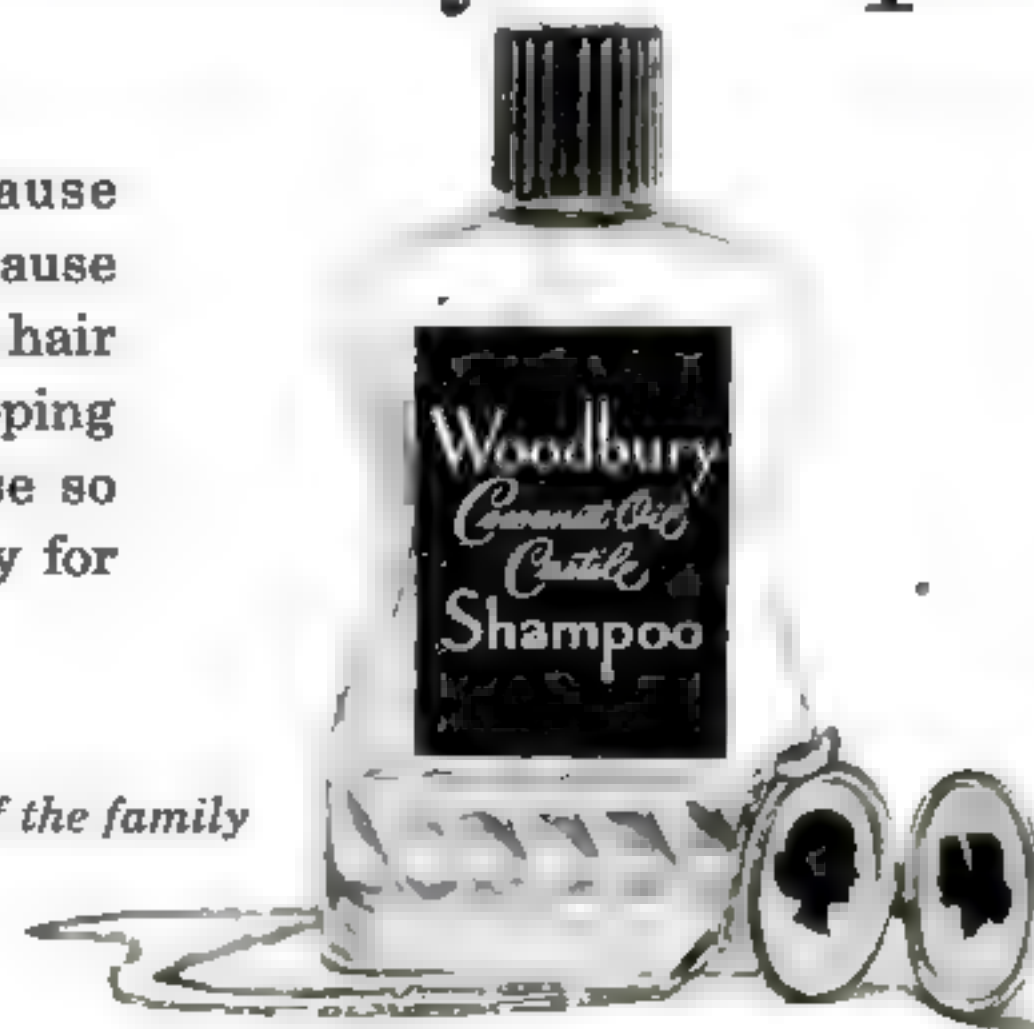
CONTINUED ON PAGE 177



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Woodbury is a thorough yet very gentle shampoo. It is thorough because it washes your hair completely clean—shiny and pretty. It is gentle because Woodbury is made of natural oils. It helps preserve your own natural hair oils, leaving your hair less dry, easy to comb and set. When you go shopping compare the price of Woodbury Coconut Oil Castile Shampoo. Because so many families buy it, Woodbury costs far less than you'd expect to pay for such quality. Try it today.

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MODEL DERRICKS on this relief map represent eleven new oil fields opened in the Williston Basin during the past 20 months. Hand points to Tauga Field where first producing oil well was brought in after 29 years of

searching in North Dakota. Keen competition among scores of oil companies is speeding development of Basin as important U. S. oil producer—and, at the same time, is bringing new prosperity to the whole area.

New Oil Frontier Opened By American Companies' Pioneering

In the Williston Basin of the Dakotas and Montana, U. S. oil companies have spent years fruitlessly searching for oil. The cost has run to millions of dollars. But the long search has now started to show results.

The first producing oil well in the Williston Basin was completed two years ago. Since then oilmen have discovered eleven new oil fields with over 130 producing wells. Plans are now under way to drill many more wells.

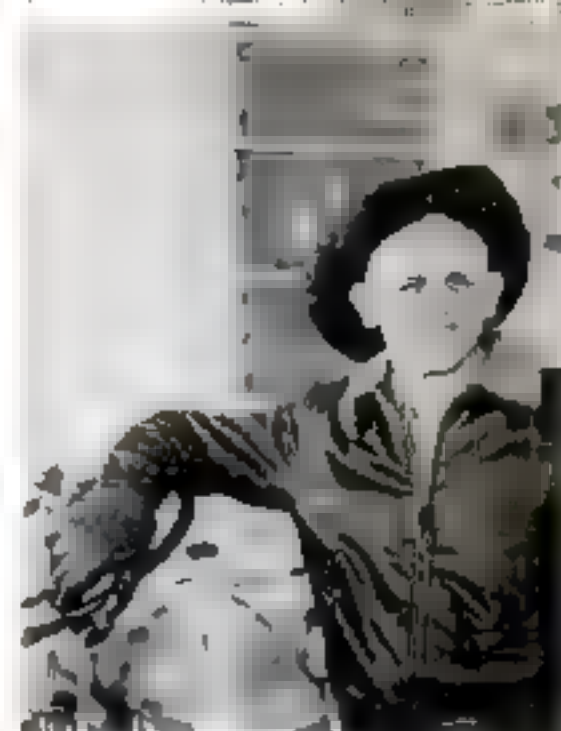
Because scores of privately-managed oil companies risked huge sums searching for oil where it had never been found before, the people of the Williston Basin today are enjoying new wealth and prosperity. You and your family will eventually gain, too, for these new oil dis-

coveries promise to make a sizable contribution to future U. S. supplies.

The odds against finding new sources of oil are high—only one out of nine wells in unproved but promising areas actually turns out to be a producer. But oilmen are willing to accept such risks as long as they have a chance to earn a profit while serving you.

For a free, interesting folder, "Is There Oil Under Your Land?", write to:

Oil Industry Information Committee, Box 90,
AMERICAN PETROLEUM INSTITUTE,
50 West 50th Street, New York 20, N. Y.



FARMER Bob Thompson says oil gives area a "second crop"—leaves farmers less dependent on what weather does to wheat.



SCHOOL PRINCIPAL C. W. Liefur is planning new auditorium for record 300 new students who will enter in fall.



MERCHANT Pat Deen saw business boom in Yellowstone valley as oilmen from all over U. S. poured into area.



HOUSEWIFE Mrs. James Key, like many North Dakotans enjoying new prosperity, plans to build own home.



CARPENTER Lester Frantzick is even busier during long winters since his town's population has nearly doubled.

IF YOU Over-Indulge REMEMBER-

PHILLIPS' MILK OF MAGNESIA TABLETS

SETTLE UPSET STOMACH

All of us over-indulge at times. Wouldn't be human if we didn't. But too much rich food or taking an extra drink often means acid indigestion with its upset stomach or heartburn. Phillips' Milk of Magnesia Tablets quickly neutralize the excess acid settle an upset stomach—get you to feeling your old self again in record time. And Phillips' Tablets are as pleasant to take as candy mints. Handy pocket tins only 25¢

If you own a Schick or Remington Electric Shaver...

Get a closer shave and greater comfort! Prepare your face before you shave. In just 3 seconds Letric Shave:

- 1. Evaporates sticky, razor-clogging perspiration.
- 2. Lubricates the skin for more comfortable shaving.
- 3. Softens your beard for closer shaves.

Use Letric Shave with any shaver. 49¢, no L.S. tax, for eighty shaves.

Free month's supply! For a generous sample of Letric Shave write: J. B. Williams Co., (LL-13), Glastonbury, Conn.

Amazing Discovery Guaranteed to Grow Grass on Lawn's Stubborn Bare Spots!

BARE SPOT R

Special Fertilizer Conditions Lawn in 1 Simple Application At Hardware & Dept. Stores. Would Products Co., 519 W. Pratt St., Baltimore, Md.

Callouses

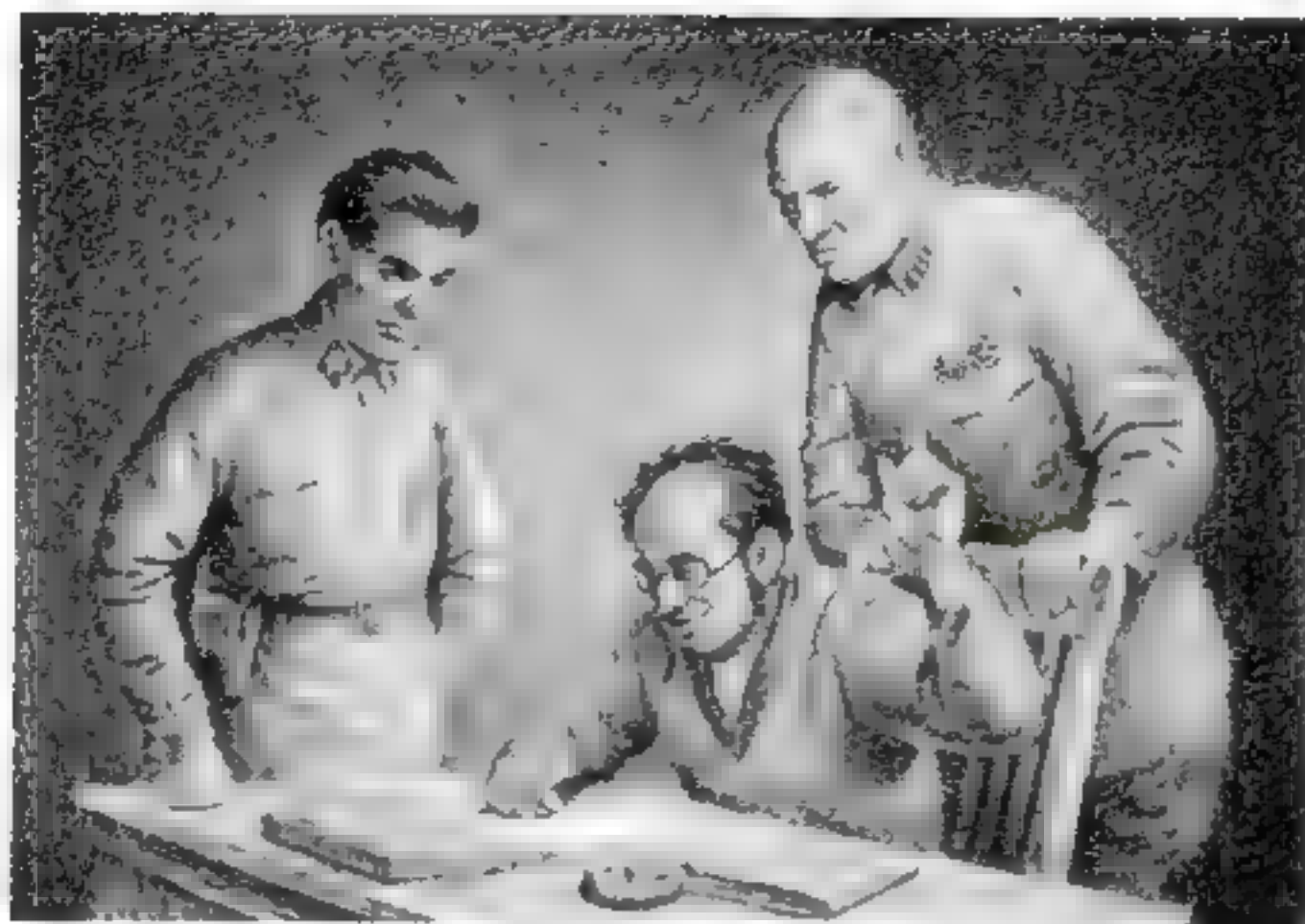
Pain, Burning, Tenderness

SUPER-FAST RELIEF!

Puts You Right Back On Your Feet!

You'll enjoy super-fast relief from your painful callouses, tenderness or burning on the bottom of your feet when you use Super-Soft Dr. Scholl's Zino-pads. They're wonderfully soothing, cushioning, protective and remove callouses one of the fastest ways known to medical science. Try them!

Dr. Scholl's Zino-pads



RADEK HELPS the interrogators by using his great literary skill to compile a more brilliant deposition against himself than they could manufacture.

STALIN'S GHASTLY SECRETS CONTINUED

great men of the past paled into insignificance. Stalin was very much flattered. He ordered Radek's book published in huge numbers and studied in party cells all over the country. Radek's star rose high once more. Stalin made him boss of the newspaper *Izvestia* and adviser to the Politburo on problems of foreign policy.

So when Radek was arrested for the second Moscow trial in 1937 he was beside himself with rage. His protests could be summed up in one sentence: "After all that I did for Stalin, I didn't expect such injustice." Radek begged for an interview with Stalin, but his request was denied. He wrote a long letter to Stalin. It remained unanswered.

Radek was not distinguished by a strong will, but his bitter resentment at first filled him with tenacity. A whole group of interrogators worked on Radek, but he surprised them with his unexpected doggedness. When the NKVD chiefs saw that his preparation for trial was dragging on too long, they called on one of the other accused men, Grigori Sokolnikov, the former Soviet ambassador to Great Britain, to help them. Sokolnikov himself had surrendered quickly for the sake of his young wife and his 23-year-old son by a previous marriage. He agreed to speak to Radek in the presence of the interrogator. His arguments had a decisive influence on Radek's future behavior. When a weak and light-minded man like Radek finds himself in a corner, he readily follows the example of a man who has had the courage to make a decision.

However Radek did not want to go to trial on terms worse than those which Sokolnikov had secured. Sokolnikov had had an interview with Stalin and Stalin had made certain promises to him. Radek demanded those same assurances, not just from the NKVD chiefs, but from Stalin himself. On that condition he agreed to sign a confession and take part in the trial.

Several days later Stalin visited the NKVD building. He had a long talk with Radek in the presence of Yezhov. Afterward Radek was taken to his interrogator's room and given a "record of interrogation" which had been prepared in advance. Radek would not sign the paper blindly. He carefully read the testimony which had been fabricated in his name and suddenly began to scribble with his pencil, rewriting the document without paying any attention to the protests of the interrogator. Finally, after working on the text for some time, he gave up and said, "This is not what is needed. Give me a pen and paper, I'll write it myself."

Radek thereupon composed an interrogation record which won the admiration of the examiners. In that document Radek addressed questions to himself and answered them himself. The NKVD chiefs did not dare to make any corrections. From that moment Radek became personal consultant to Yezhov in the task of improving the legend of the conspiracy and perfecting its dramatic and literary quality.

Although his personality unfitted Radek for the role of a real conspirator, he was superbly suited to play the part of a conspirator on the stage of Stalin's judicial comedy. He was a born demagogue. Rhetoric and sophistry were his strong suits and he knew how to prove with the deftness of a conjurer that black is white and white is black. Having promised Stalin to lie at the trial "for the sake of the Party," but in reality in order to save his own skin, Radek set to work on the task assigned to him with zeal and zest.

CONTINUED ON NEXT PAGE

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Check the list and tear out. Minimum order 7 records \$4.83—10 for \$6.89—20 for \$13.75.

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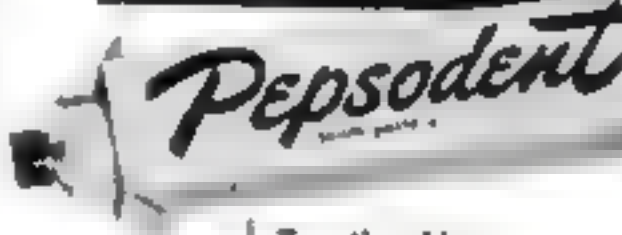
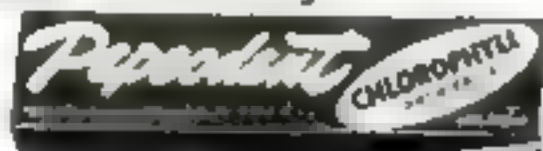


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Thanks to **ORAL DETERGENT** discovery!



The cleaner your teeth, the better you fight bad breath and tooth decay. And tests at a Mid-West University prove Pepsodent's **ORAL DETERGENT** cleans teeth cleanest of any leading tooth paste! Your proof is the Clean Mouth Taste for hours that you get with Pepsodent. Lever Bros. Co. unconditionally guarantees your satisfaction—or money refunded.



Only Pepsodent's **ORAL DETERGENT** Cleans Your Teeth Cleanest!

Try the New
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Ruff'n Ready to go
with no ironing



SMART MONEY BUYS

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Washable
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Shirts that Stay "fresh-looking" longer
With these handsome Plisse Crinkle Cottons that need no ironing, it's no trouble at all to keep active boys fresh-looking all summer long. Tailored as perfectly as they fit! With semi-spread collars, short sleeves. In smart patterns, colors for boys, sizes 8 to 16. \$2

Ask for E&W Boys' Wear at Better Stores Everywhere
ELY & WALKER • ST. LOUIS 3 • QUALITY FOR 75 YEARS

YOUNGSTERS LOVE FINDING
SWEET **SUN-MAID RAISINS**
IN THEIR EASTER
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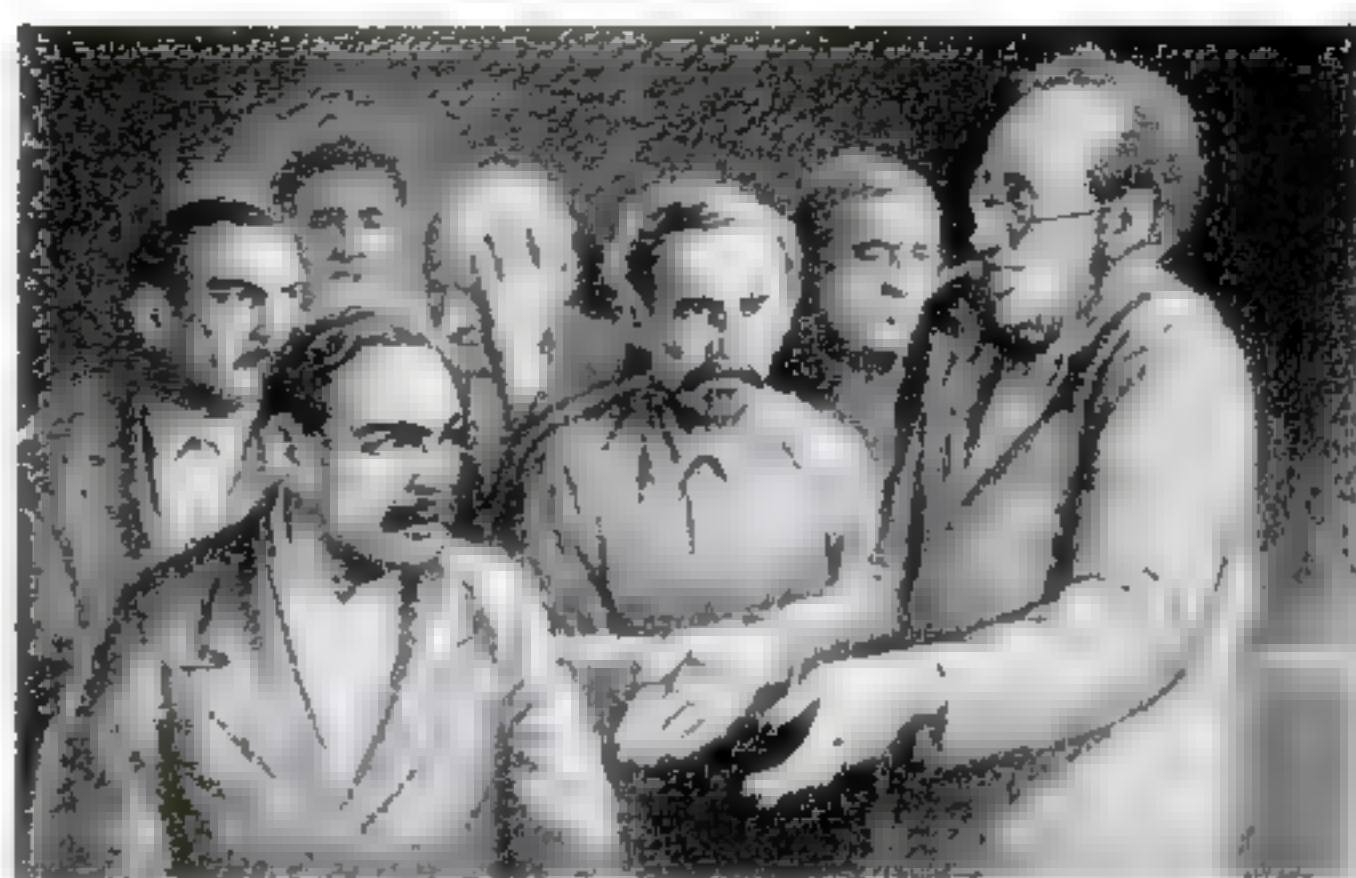
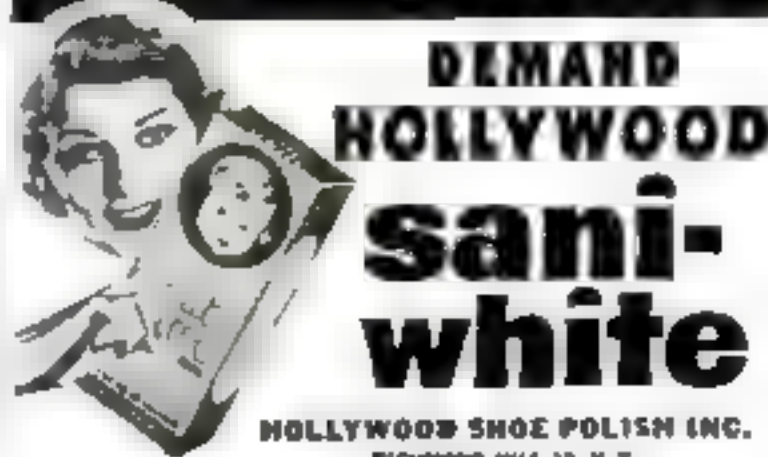


Ask Your Grocer For The
SUN-MAID THRIFT-I-PAK—
Six Handy Pocket Packs At Today's New Low Price!

Martha: Please Write

On vacation shopping list, write word: "**COOLIES**". Right!—**COOLIES**, Campana's Facial Cleansing Pads. Daunt cotton disks, saturated in Dreakin skin cleanser and freshener. One pad removes make-up, dirt, grime in seconds. Wonderfully refreshing on hot, windy, dusty, humid days. Convenient-to-carry jar. At cosmetic counters. 29¢.

FOR THE **WHITEST** SHOES



RADEK SHRUGS in pretended disbelief when he hears the judge announce his reward for cooperation: no death sentence, only a ten-year imprisonment.

STALIN'S GHASTLY SECRETS CONTINUED

Radek acted out his part at the trial with such perfection that the uninitiated were able to believe that he was telling the truth. While the other defendants spoke about their crimes in lifeless tones, as if they were lecturing about long forgotten events from ancient history, Radek lived his lines and gave to everything he said a genuine dramatic spirit. He related how the gigantic successes attained by the country under Stalin's leadership made him realize at last the enormity of the crimes to which Trotsky had led him. "For nothing at all," he exclaimed, "just for the sake of Trotsky's beautiful eyes the country was to return to capitalism!"

But a careful examination of what Radek was saying at the trial reveals that he managed to construct his self-incriminating testimony in such a way as to stress the absurdity of the accusations and convey to the world that there was no concrete evidence against the prisoners. To the very end the stage managers of the trial did not detect Radek's stratagem. Lulled by his self-condemnation and his violent attacks against Trotsky, the prosecutor and the judges did not see how skillfully he knocked the props out from under the accusations and crimes to which he had confessed. How Radek did this can be best seen in his "last plea." He began it by saying that he unequivocally admitted his guilt. He then told the court that, although he agreed with the prosecutor on all the main points, he protested against Vishinsky's attempt to characterize him and the others as bandits.

"When I hear that people in this dock are mere bandits and spies, I object!" Radek declared. "There is the evidence of two people, the testimony of myself, who received the directives and the letters from Trotsky (which unfortunately I burned), and the testimony of Piatakov, who spoke to Trotsky. *All the testimony of the other accused rests on our testimony. If you are dealing with mere criminals and spies, on what can you base your conviction that what we have said is the truth, the firm truth?*"

In the early hours of the morning of Jan. 3, 1937, Radek was standing in the dock among the defendants, listening with bated breath to the verdict of the court. After the presiding judge had finished reading the so-called descriptive part of the sentence, he began to announce the punishment meted out to each of the defendants. One death sentence followed another. When he reached the name of Radek he read: "... sentenced to imprisonment for a term of ten years."

Radek's face lit up with joy. He waited until the judge finished reading his sentence, then turned to face the other defendants, shrugged his shoulders as if puzzled by his own luck, and smiled a guilty smile.

NEXT, HEART ATTACK BY POISON

In next week's instalment Alexander Orlov tells how Stalin came to fear the men who were his acquiescent executioners, how as a result he embarked on another round of murders, and how his aides made a mistake in using poison to kill a high official of the NKVD.

Draperies—

So rich in texture
and color



Look and feel like woven fabric • Lastingly pliant
Easily tubbed or wiped clean • Fade-resistant
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Dress your windows in handsome
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Window elegance is easy to come by, easy to keep up—when you choose from the many pleasingly priced, lavishly styled draperies of work-saving VINYLITE Plastics. Carole created these Pebble-Tex beauties to be ever-fresh in color . . . printed and textured by TOSCONY FABRICS, INC. Available in department, specialty, chain, and variety stores.

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ABOVE: A room a girl took for her mother's design and a new window covering for the perfect finishing.

UPPER LEFT: "Pebble-Tex" a lovely window and like some stresses previously with LEFT: "Marble" a lovely sized good look that pinwheel was located and crosses. "Vintage" and "Green Room" are also a textured paper on as well as the rich and printed drapery. "Marble" in located draperies only.

You know it's right if it's...

Only the superior technical resources and vast experience of Bakelite Company could maintain the high quality of VINYLITE Plastics. They meet the most demanding expectations of defense and basic industry.



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THE ONLY UPRIGHT

Food Freezer

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Tilt-Out-Bin

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- It's upright! Takes far less floor space than "conventional" freezers! Keeps foods in sight, easy to get at!
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- It's roomy! 5 storage areas—3 big shelves, plus tilt-out bin and door racks which hold half a case of frozen juices. 400-pound capacity.
- It's thrifty! You pay less when you buy a Gibson and you save on food bills forever after!
- 9 sizes to choose from... each with the famous Gibson 5-year warranty and food protection plan!



...of course, it's electric!

Your dollar buys more than ever before...with a

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Gibson Food Freezer prices start at \$279⁹⁵



SURROUNDED BY PNEUMATIC TUBES WHICH WILL HOLD RADIOACTIVE COBALT, MONKEY GRASPS CAGE AND LOOKS AROUND WHILE HE WAITS FOR TEST TO BEGIN

SIMULATING THE A-BOMB'S RAYS

Navy scientists build a machine out of pneumatic tubes to help them discover hazards of radiation

Studying the dangerous effects of atomic radiation has been exceedingly difficult for scientists who have had no machine capable of simulating the radiation from a bomb. Their X-ray guns and electron accelerators emit only narrow beams, while an actual atomic explosion may completely blanket a victim with radiation. Now the Navy's scientists have built a machine that bombards test animals with

gamma rays from all sides and thus approximates the radiation effects of a bomb.

The new device, already being used in experiments at the Naval Medical Research Institute at Bethesda, Md., consists basically of a series of long pneumatic tubes like those used to shuttle money back and forth in department stores. The tubes are arranged in rings and test animals are placed in the center

(above). Then capsules containing radioactive cobalt are forced through the tubes by remote control to place them in a precise circle around the monkey, pig, goat or rat being used in the experiment. Most of the animals will probably die from the gamma rays, but from the experiments the scientists hope eventually to discover a drug that, given to humans, will protect them from the deadly rays of a bomb.

New Hope for Sleepless Millions

No Drugs... No Sedatives!



LATEST MEDICAL FINDINGS REVEALED ... If you have trouble sleeping—here's news that promises more refreshing sleep tonight, a brighter day tomorrow.

Recent medical studies indicate that a vital substance in your bloodstream may have a lot to do with how well you sleep. This substance, known medically as *blood sugar*, is an important source of nourishment for the brain.

At bedtime, and especially during the long nighttime hours without food, your supply of *blood sugar* may become seriously lowered. Thus, your brain and nervous system may suffer from insufficient "sleep food." You may feel too nervous to go to sleep... too restless to sleep well.

How you can help your body get needed "sleep food"

Drugs or sleeping pills can't supply "sleep food." And sweet, sugary foods and drinks provide only a quick jet of sugar that is too quickly burned up. But here is a way—a *delicious, drugless way*—to help your body get needed "sleep food." This sleep-aid is a **POSTUM "NIGHTCAP"**—a delicious drink made with Instant Postum and hot milk, taken shortly before retiring.

Your Postum "Nightcap" is good-tasting and safe—contains no drugs to harm you. Moreover, your Postum milk drink gives you easily digested nourishment that is *slowly* converted into blood sugar.

Thus, it helps assure the *slow, steady flow* of vital "sleep food" to your brain. That's why a Postum "Nightcap" helps you get refreshing sleep—the kind that leaves you rested, looking and feeling like new!

So safe, so easy—try it!

Every night before you retire, fix yourself a Postum "Nightcap." It's easy—add a rounded teaspoon of Instant Postum to a cup of hot milk, and stir. Try this for just 10 days. Then, see if you aren't sleeping better—feeling fresher—looking like a new person! Get Instant Postum now—and start the 10-day test tonight!

Are Postum "Nightcaps" really effective?

Doctors have always known that a warm milk drink is an effective aid to sleep. The recent blood sugar studies offer additional reason why. As your own doctor can tell you, the Postum "Nightcap" is ideal: a warm, relaxing drink that *tastes good*... and Postum contains no caffeine, no drugs of any kind.

Postum is an ideal mealtime beverage, too. No caffeine—no drugs—no chance for "coffee nerves."

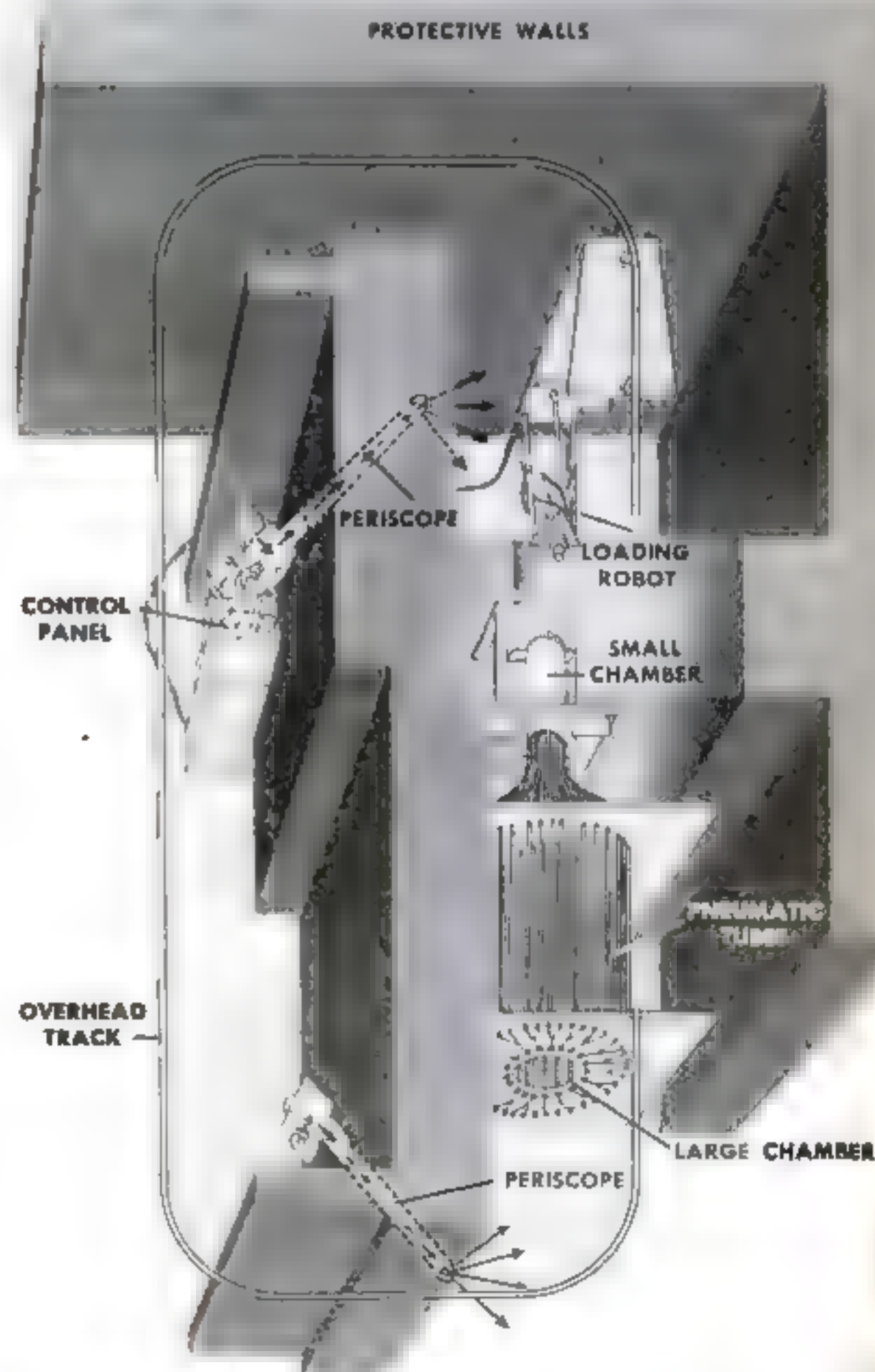


The "SLEEP-FOOD" Nightcap
for sleepless Millions!

Radiation CONTINUED



WATCHING AN EXPERIMENT from outside protective wall, Engineer Frank Whitten peers into end of a periscope. He helped design the machine.



HOW MACHINE IS OPERATED is shown in drawing. Scientist at controls behind barite concrete wall watches through periscope as robot hanging from overhead track loads cobalt-filled capsules into pneumatic tubes. Capsules are forced from one room to other by air pressure. Tubes are bent so as to give a large chamber to hold big animal, smaller chamber for little animals.

CONTINUED ON PAGE 183

Add Spice to your Life

Old Spice

FOR MEN



Add spice to your life — with Old Spice. The superior quality of these shave and grooming needs makes you look and feel your very best. And that brisk, crisp Old Spice scent adds zest. Try it—and see.

Stick Deodorant, 1.00 • After Shave Lotion, 1.00 • Shaving Mug, 1.25 (Refill, .75) • Men's Talcum, 1.00 • Shaving Cream, Brushless or Lather, .50

SHULTON

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Prices plus tax except on Shaving Cream and Soap

no work for you, mom

to make your
children's shoes
look **new**

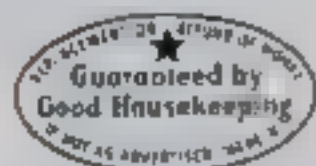


ESQUIRE BRUSHLESS SCUFF-KOTE



just apply— it dries bright

No brushing! No rubbing! No work at all! Just apply self-polishing Esquire Brushless and watch those scuffs and scratches disappear like magic right before your eyes. Miracle ingredient Oxilan-B does all the work for you... brings up the shine, keeps your youngster's shoes soft and natural looking. The very first time you use it, you'll agree it's the most wonderful polish ever made for children's shoes.

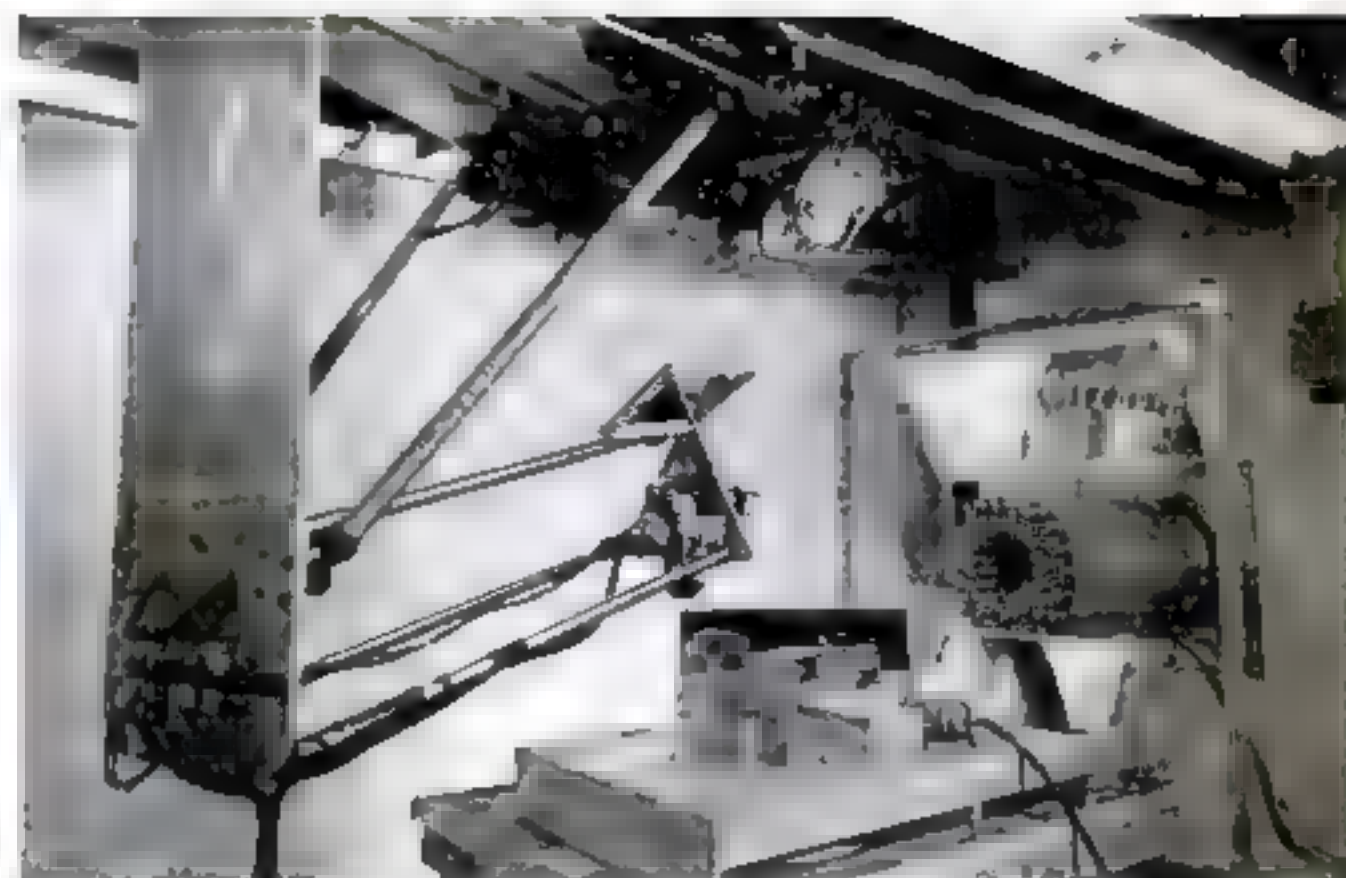


In the yellow Circus Package. 8 shining colors.



...er quality product
by the makers of
ESQUIRE BOOT POLISH
...the fastest way to the brightest shine

Radiation CONTINUED



ROBOT (LEFT) HOVERS NEAR MACHINE BEFORE LOADING IT WITH COBALT

ROBOT TENDS THE IRRADIATOR

Because the Navy scientists dare not come near the "hot" cobalt, they built a robot (*above*) that tends their machine for them. As seen below, the robot removes the lid from a container (1), lifts out a cobalt capsule with its magnetic "arm" (2), drops capsule onto a tray (3), picks it up again with a second magnetic "arm" and lowers it (4) into a "rabbit," or outer capsule, lifts the "rabbit" (5) and pushes it into tube's mouth (6). After it loads the capsules the robot places covering caps on the ends of the tubes. Machine can then run for years before it needs reloading.



De Luxe:
specially
elegant...
uncommon.

WEBSTER



90.4 Proof

Walker's De Luxe is a straight Bourbon whiskey, elegant in taste,
uncommonly good—a Hiram Walker whiskey. May we suggest it for you and your friends?

Hiram Walker & Sons Inc., Peoria, Ill.



FAKE FAKIR on bed of nails was borne among throng for two hours by entourage of ten chanting

college students. The nails were real but space was left where fakir chosen because he was right sat



FORTUNE TELLER ACCURATELY PREDICTED THAT

Life Goes to a Circus Ball

COLORADO RESIDENTS CUT LOOSE FOR ART

Although there were no elephants or high wire acts, the circus ball which Colorado Springs staged for the benefit of its Fine Arts Center Scholarship Fund was as rowdily successful as an evening under the big top. Nearly 2,000 guests swarmed into the ballroom of the Broadmoor Hotel, clad in a random interpretation of circus garb, before the big noisy crowd of gaffes, gypsies, Indians and mechanical men, three Denver showgirls posed as freely as they legally could but still ran a respectable second to the guests themselves.

In hot competition for the fancy prizes the grand march milled along for two hours instead of the few minutes that had been allotted to it. Prize for the funniest costume worn by a couple went to a pair of hangovers (*ahem*), who got their idea from a cover of *LIFE* (July 11, 1952). Favorite contestant for the group award was an octopus played by two couples armed with plumber's plungers who spent the evening plaguing guests with rubbery snacks. But they lost out to an eight-car train when the finicky judges said, "We couldn't tell whether the octopus was a group or an eight-armed man."



COUPLE WHO CAME AS "HANGOVERS" WOULD WIN FUNNIEST COSTUME PRIZE



GIRLIE SIDESHOWS did brisk business all evening. In booth above, customer hit target (rear) which turned spotlight on girl while he blew off her flimsy veils. He was so entranced that he forgot to counter for better view. A bella eye in rival booth (below) tumbled a screaming, nearly clad girl out of her



GRAND ENTRANCE on Broadmoor's winter stage was made by ballerina and her masked escort who arrived during a full early in the evening

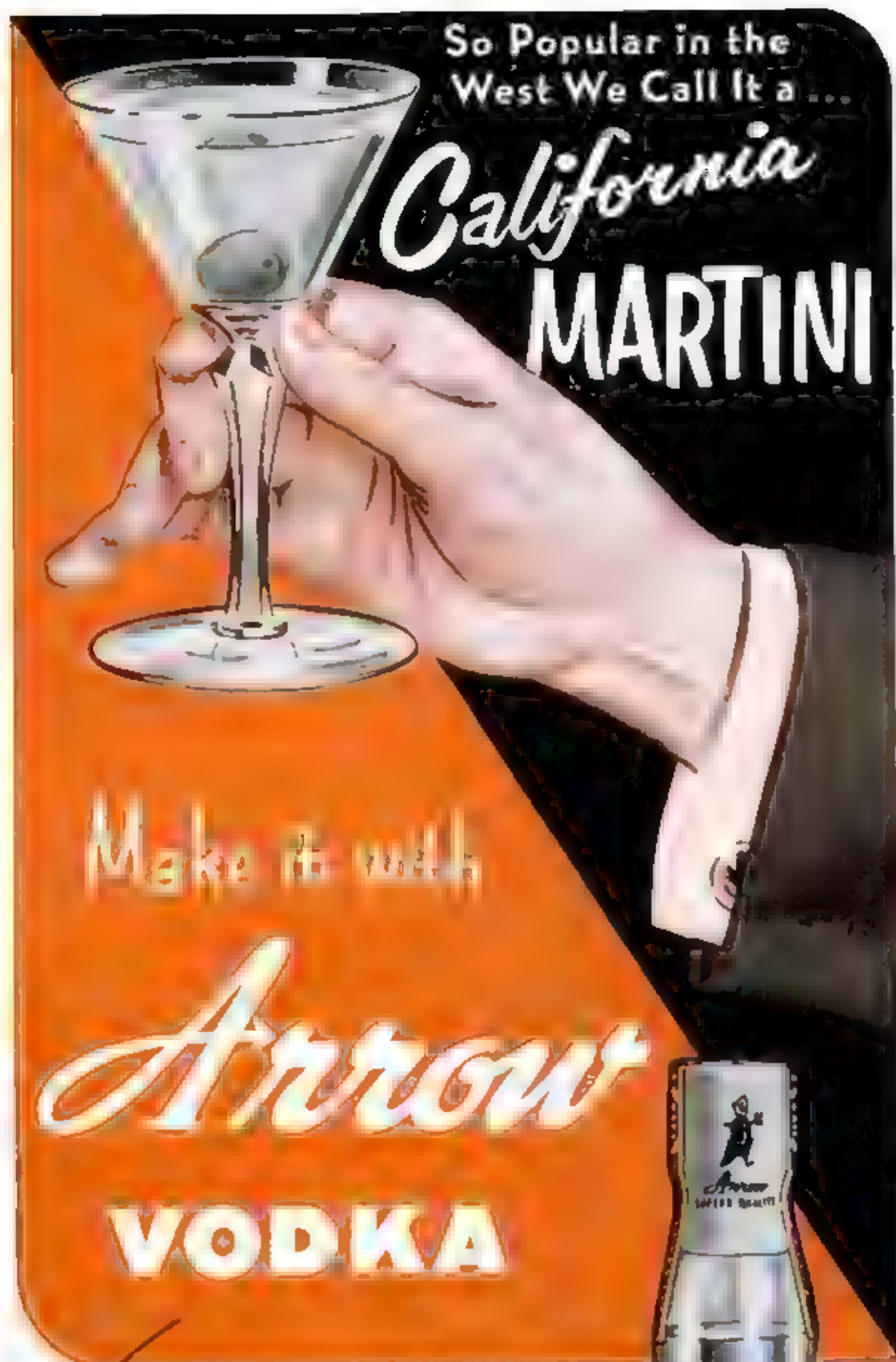


So Popular in the West We Call It a ...

California MARTINI

Make it with

Arrow VODKA



it makes the Martini



Arrow California Martinis are smoother—drier—simple to make— $\frac{2}{3}$ parts Arrow Vodka, $\frac{1}{3}$ part dry Vermouth (For an even drier California Martini, $\frac{4}{5}$ parts Arrow Vodka, $\frac{1}{5}$ part dry Vermouth)—stir with 2 ice cubes, strain into cocktail glass and add olive.

ARROW LIQUEURS CORPORATION
DETROIT 7, MICHIGAN
80, 86 AND 100 PROOF
DISTILLED FROM GRAIN



Circus Party CONTINUED

GIRAFFES were man and wife who won gold watches for best couple costume. Their necks, made of chicken wire and spotted paper stuffing, had trapdoors enabling the wearers to eat and drink without doffing them.



POODLE clad in long underwear and looped rugs was a female art student. Separated from her poodle partner during the grand march, she spent a frisky evening barking at would-be wolves before discarding false head.

OCTOPUS contained two couples with outstretched plungers for tentacles. Group practiced walking before party, traveled around applying suction cups to guests' exposed areas and proved too unshapely to be slapped.



CONTINUED ON PAGE 181

ROYLEDGE



shelf lining paper and edging

ALL-IN-ONE



for that FRESH, CRISP LOOK!



Crisp and new, fresh as dew, Royledge shelving is at your favorite store right now—waiting to give your home a new look and zest. Choose from bright and joyful colors...smartly styled Spring patterns, that cost only pennies. Whichever you pick will be picture-pretty and practical, too! Plasti-chrome surface whisks clean with a quick dab of a damp cloth. And Royledge is double-strength—no fading, no curling. New Royledge is edging and lining all-in-one (goes all the way back on the shelf). Buy it in standard or Xtra-width at Supermarkets, Variety, Department or other stores. That fresh, crisp Royledge look is yours for pennies!

For new and different ways to decorate with Royledge write Royal Lace Paper Works, Inc., 99 Gold Street, Brooklyn 1, New York. (A subsidiary of Eastern Corp.)



ROYLEDGE

ROYLEDGE

EDGING

LINING PAPER

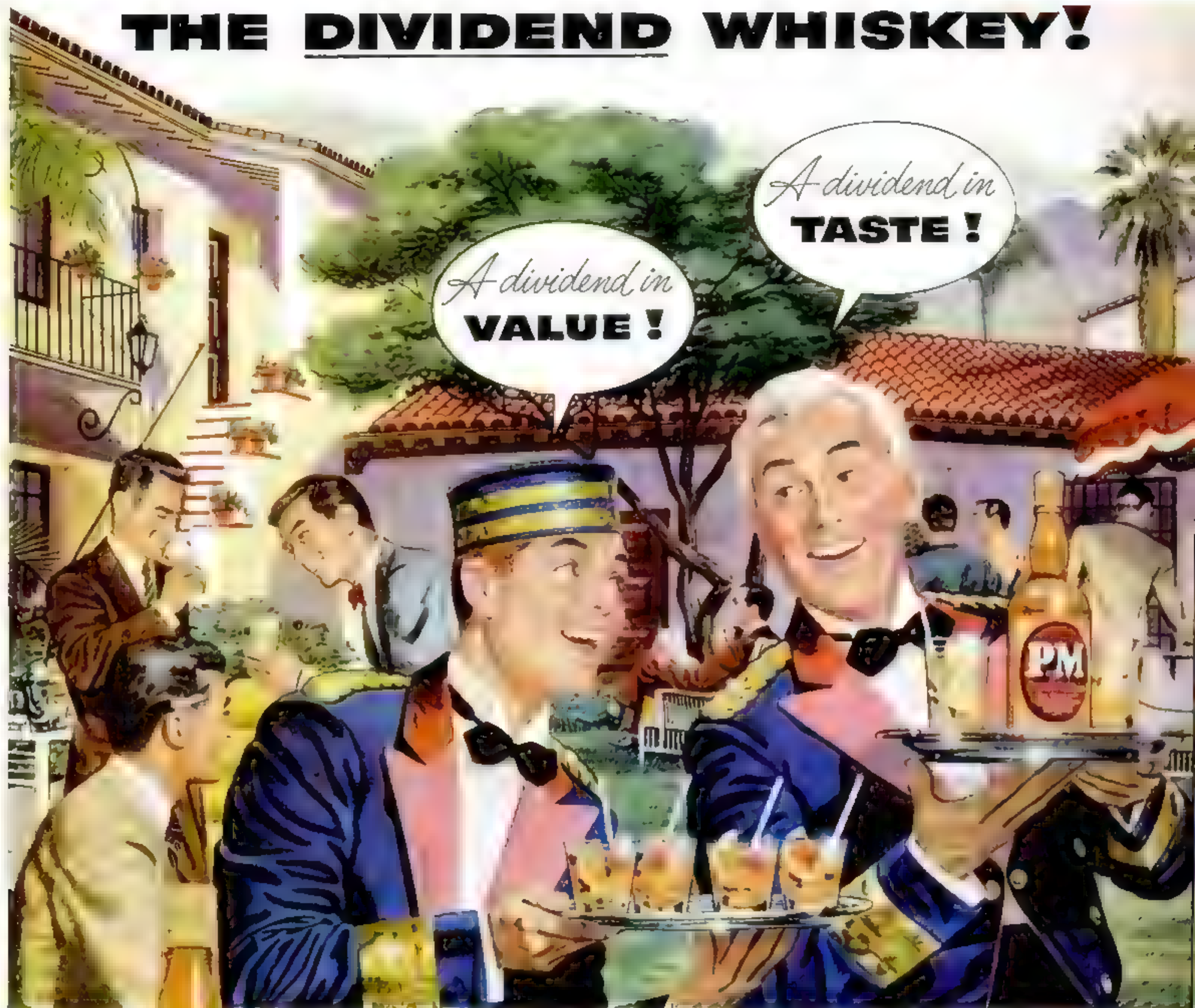


Designed for **Royal** living, everyday!



At Santa Barbara...Smart Guests agree on **PM**

THE DIVIDEND WHISKEY!



You'll prefer **PM** over
whiskies costing up to \$1.00 more!

And the difference you save . . .

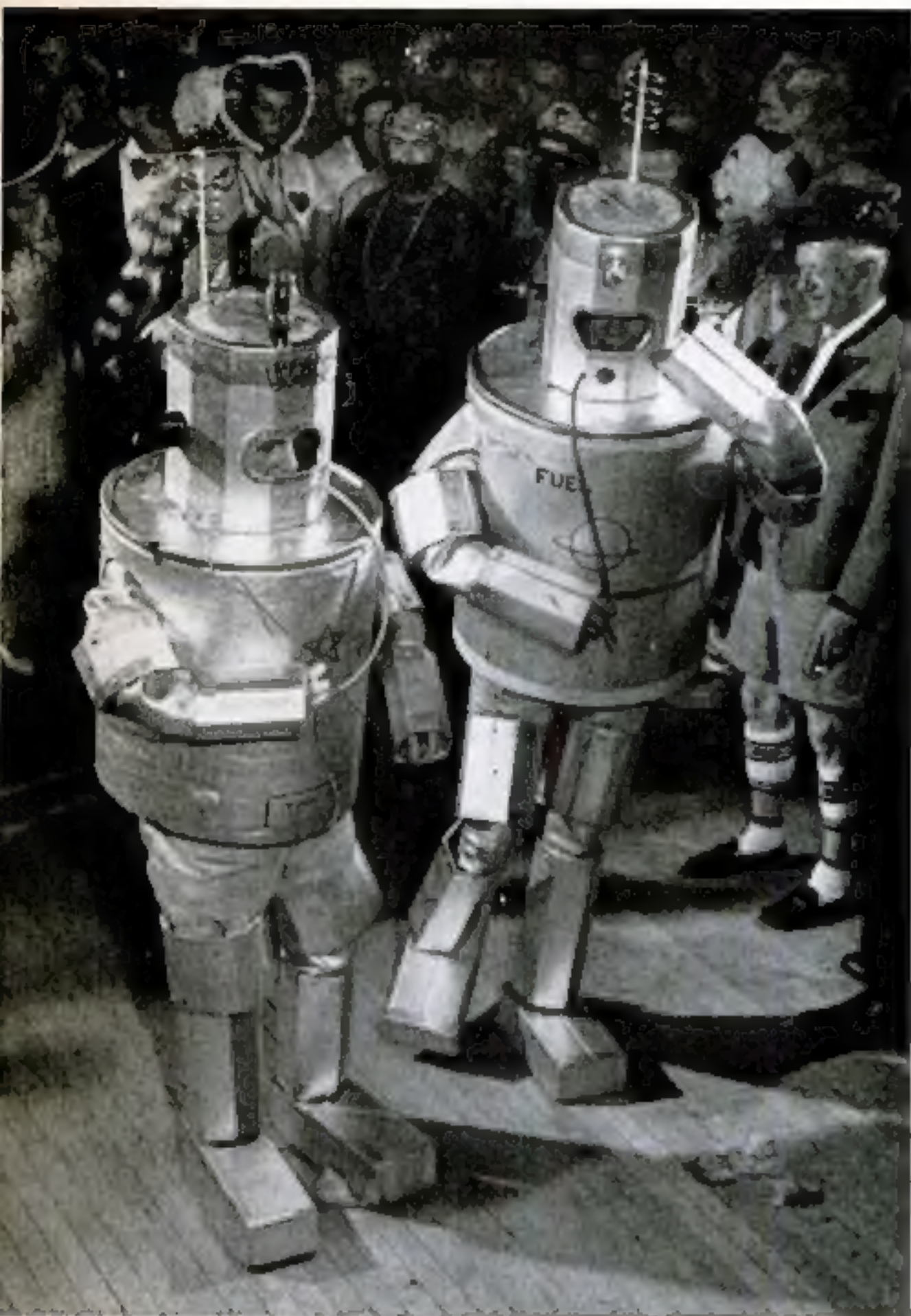
buys you up to

 **4 EXTRA DRINKS!**

At Santa Barbara — where guests choose their luxuries without regard to cost—more and more, the choice is PM. You, too, will prefer PM—for here is whiskey of rare and special excellence . . . smooth and mellow, completely delightful to the taste. And you'll welcome the remarkable *dividend in value* that makes PM, unmistakably, *America's smartest buy!*

Enjoy today's
magnificent **PM** *the dividend whiskey!*

©NATIONAL DISTILLERS PRODUCTS CORP., NEW YORK, N.Y. BLENDED WHISKEY • 86 PROOF • 65% GRAIN NEUTRAL SPIRITS



CARDBOARD CLOTHES coated with aluminum paint were worn by stags, proved so unwieldy that men stripped to silver-dipped shorts and T shirts.



ALMOST NO CLOTHES resulted when showgirl auctioned her garments for a total of \$70. Late bidder paid \$10 hoping for bra, got her shoes instead.



**if you're buying
a chromed dinette...**

ask these 4 questions

**what about
STYLING?**

Urbane and sophisticated, a Kuehne Khrome dinette is a tribute to your own flair for smart, contemporary living. Kuehne employs America's top designers to give you the ultimate in modern styling.

**what about
COLOR?**

Color is the magic wand that creates a dramatic setting. Kuehne Khrome Dinettes come in almost every color you can think of—plus an exciting array of brilliant new decorator combinations.

**what about
CONSTRUCTION?**

Built to withstand rugged, every day wear, Kuehne Khrome Dinettes are precision engineered for quality and comfort. Glistening, mirror-finish Kuehne Khrome is virtually indestructible.

**is it
PRACTICAL?**

Your dinette should give you a lifetime of service. The Kuehne Khrome plastic table top resists stains, burns—even alcohol! And the durable Vinyl plastic upholstery on the famously comfortable Kuehne Khrome chairs wipes clean with a damp cloth!

ILLUSTRATED: The beautiful new "Continental," * Kuehne's most successful large size Chromed Dinette. It's specially priced at your favorite retail store, this week.

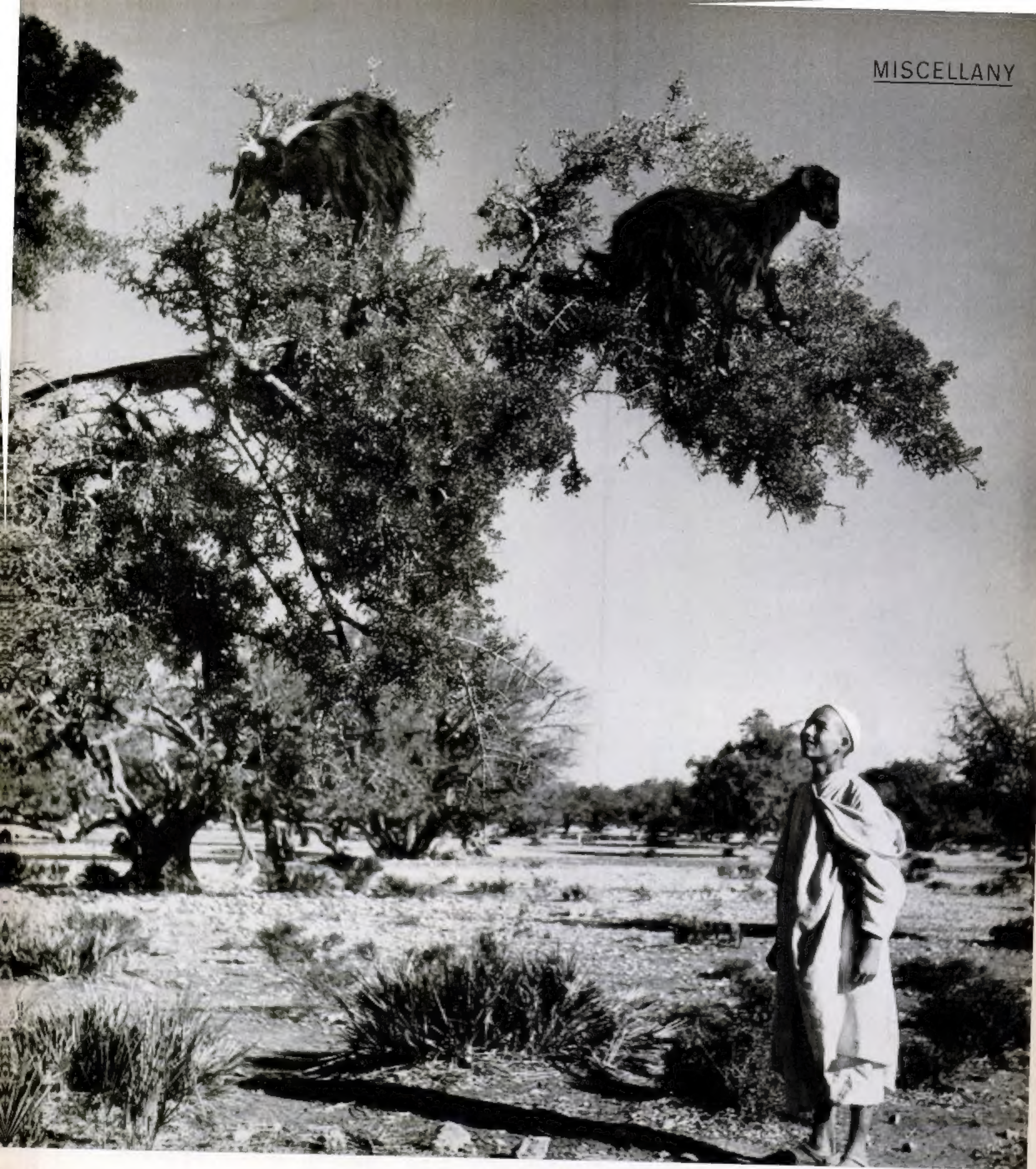


Kuehne

(say Kee-Nee)

*Pat. Pending

Manufacturing Co., Mattoon, Illinois



CLIMB FOR YOUR DINNER

It is a surprising but true fact that all goats can climb trees although most usually do not bother to do so. The procedure is simplified by the construction of their hoofs, each of which has a rough, rubberlike pad surrounded by a horn rim. This Moroccan pair has gone up an argan

tree to browse about the branches and look for tender leaves to eat. Morocco has nearly as many goats (7.3 million) as people (8.5 million), but not enough surface vegetation to feed both. Thus, among these goats, tree-climbing for dinner is quite the practical thing to do.

Other times, other tastes...



What made Milwaukee change its mind?

No doubt about it... modern times and modern taste have changed Milwaukee's mind about beer.

Gone are the days when America's beer capital could not agree on which beer was the finest. Now, year after year, Blatz is the largest-selling beer in Milwaukee... far and away the favorite in the city where nearly three-quarters of the country's wonderful premium beers are brewed!

So lift a glass of Blatz tonight. When you do, you'll join the growing millions of Americans who sing: "I'm from Milwaukee and I ought to know, it's Blatz, Blatz, Blatz, wherever you go."

Today it's Blatz!



Milwaukee's finest beer!

See Amos 'n' Andy on CBS-TV... consult newspaper for time and channel.

NOTHING—NO, NOTHING—BEATS BETTER TASTE

and
**LUCKIES
TASTE
BETTER!**

Cleaner, Fresher... ...Smoother!



You can even see why Luckies taste better—cleaner, fresher, smoother

Ask yourself this question: *Why do I smoke?*

You know, yourself, you smoke for enjoyment. And you get enjoyment only from the taste of a cigarette.

Luckies taste better—cleaner, fresher, smoother! You can see *why* when you strip the paper from a Lucky by tearing down the seam.

First, you see that your Lucky is *made better*, because it remains a perfect cylinder of fine tobacco—round, firm and fully packed.

Second, you see Luckies' famous fine tobacco itself—long strands of fine, light, truly mild tobacco with a rich aroma and an even better taste. Yes, L.S./M.F.T.—Lucky Strike means fine tobacco.

Nothing—no, nothing—beats better taste, and Luckies taste better—cleaner, fresher, smoother. So...

Be Happy—GO LUCKY!

PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

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